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ABSTRACT

The employment of 1981 graduates at all degree levels in Pennsylvania's colleges and universities was surveyed, based on data for 47,996 graduates of 147 institutions, or 65.9 percent of all graduates. It was found that the 1981 full-time employment rate for all graduates, regardless of degree level, decreased from the 1980 value of 72.3 percent to 70.6 percent. Unemployment increased from 8.4 to 9.7 percent, while part-time employment also increased from 3.7 to 4.1 percent. The percentage of students who were pursuing an advanced degree remained virtually constant (15.5 percent). The percentages of fully employed graduates (excluding advanced students) were highest for the fields of law, engineering, health professions, theology, computer sciences, and mathematics, while the disciplines with the lowest percentages of employed graduates were foreign languages, letters, psychology, communications, interdisciplinary studies, social sciences, and public affairs and services. Statistical tables for each degree level report postgraduation activities for graduates based upon 23 major disciplines. Appended tables provide detailed information on graduates in a specific discipline by degree level and type of institution, as well as response rates for each discipline area. (SW)

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Postgraduation Activities:

All Degree Levels In Pennsylvania

1981

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October 1982

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SUMMARY

Purpose

This study examines the employment of graduates at all degree levels in Pennsylvania's institutions of higher education in 1981. The study answers such questions as:

...How many graduates were employed? Underemployed? Pursuing advanced degrees?

...How many employed graduates held jobs in Pennsylvania?

...How many graduates held jobs for which they had prepared?

...What was the relative degree of employment success for graduates in each major discipline and degree field?

...What differences existed in the postgraduation activities of students graduating from each type of institution?

Procedures

This report is based on data for 47,996 graduates of 147 institutions of higher education. These 47,996 graduates represented 65.9 percent of all 1981 Pennsylvania higher education graduates. The percentage figure of 65.9 percent represents a lower bound since not all of the institutions contacted were able to provide data on their graduates. One hundred percent of the state colleges and university and community colleges responded. Ninety-one point seven percent of the state-aided, 86.2 percent of the private and 66 percent of the proprietary institutions also responded.

Results

In 1981 the full-time employment rate for all graduates, regardless of degree level, decreased from the 1980 value of 72.3 percent to 70.6 percent. Unemployment increased from 8.4 percent to 9.7 percent. Part-time employment also increased from 3.7 percent to 4.1 percent. The percent of students who continued on for an advanced degree remained virtually constant with only a slight drop from 15.6 percent to 15.5 percent.

At the bachelor's level the rate of full-time employment of the graduates was highest for the health professions, engineering, computer and information sciences, business and management, home economics and mathematics and lowest for law, biological sciences, physical sciences, psychology, the social sciences and for graduates in letters.

Since a low full-time employment rate may reflect the fact that graduates, in some disciplines, tend to go on to graduate school, the above findings may be

misleading. When only those graduates in the labor market are considered, i.e., excluding those going on for an advanced degree, the percentages of fully employed graduates are highest for law, engineering, health professions, theology, computer sciences, and mathematics while the disciplines with the lowest percentages of employed graduates were foreign languages, letters, psychology, communications, interdisciplinary studies, social sciences, and public affairs and services.

Some highlights in percentage terms for 1981 compared to 1980 follow.

	Comparison of Postgraduation Activities								Full-Time Employed			
	Full-Time Employed		Part-Time Employed		Not Employed		Advanced Degree		In Field Prepared		Employed in Pa.	
Degree Level	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
Associate	68.1	70.2	3.8	3.5	5.9	6.6	22.1	19.7	87.9	88.2	87.4	84.5
Bachelor's	70.3	67.6	4.0	4.7	10.0	11.7	15.7	16.0	80.8	81.2	67.0	66.1
Master's	84.1	81.2	2.7	3.0	4.5	6.1	8.7	9.6	90.1	89.3	74.0	69.9
Doctoral	90.4	91.7	3.0	3.5	3.3	3.2	3.3	1.6	97.0	95.3	44.9	41.3
First-Prof.	94.9	96.1	0.2	0.3	2.2	2.1	2.6	1.5	98.7	99.5	57.3	54.9
Total	72.3	70.6	3.7	4.1	8.4	9.7	15.6	15.5	84.1	84.6	70.3	69.3

INTRODUCTION

The employment success of higher education graduates is of interest to higher education administrators, especially in times of financial inflation and dwindling student enrollments. Authorized by the Office of Higher Education of the Pennsylvania Department of Education, this report is the ninth in a series to supply information useful to students, counselors, and educational planners.

PROCEDURES

Objectives

Answers to the following questions were sought. What proportion of graduates in each degree field and degree level were: (1) employed in their fields of preparation, (2) employed in another field, (3) employed in Pennsylvania, (4) unemployed, or (5) pursuing advanced degrees? What differences are there in these postgraduation activities by institutional type--state colleges and university, state-related, private state-aided, and independent colleges and universities? How do the answers to these questions in 1981 compare with answers to these same questions in 1980?

Methodology

The subjects of this study were those who graduated between January 1981 and August 1981 from all degree programs in Pennsylvania institutions of higher education. In the summer of 1980 forms were sent to contact persons at each postsecondary institution. These were usually career services officers appointed by their institutions to cooperate in this study.

The data collection methods used varied among the institutions depending upon the survey method developed at each. For instance, one college surveys continuously by including a survey card in employment lists sent periodically to graduates. Upon employment, these graduates are requested to complete and return the card. Another institution surveys its graduates at intervals, such as December graduates in March, May graduates in August, and August graduates in September. Other institutions survey all their graduates around mid-November. In December intensive follow-up procedures are initiated to obtain information from non-respondents. No matter which method is used, institutions do generally obtain their data five or six months after their graduation.

By the end of April 1982, the Division of Research and Evaluation had received forms containing information on 47,996 graduates, or 65.9 percent of the 72,832 graduates of Pennsylvania institutions of higher education in 1981. Institutions in the following categories participated in the study: all state colleges and university, state-related universities, community colleges and most state-aided and private colleges and universities, professional schools and proprietary institutions.

Validity of Sample

In several prior studies of this series, no significant differences were found between survey respondents and nonrespondents when follow-up surveys of the latter were made. Since the present study is similar to its predecessors, the sampling represented in this report is assumed to be sufficiently representative to result in valid conclusions. Fourteen of the 14 state colleges and university provided data. Four of the four state-related universities provided data. Fourteen out of 14 community colleges provided data. Eleven of the twelve state-aided institutions (91.7 percent) provided data. Sixty-nine of the 80 private institutions contacted provided data (86.2 percent) and 53 of the proprietary institutions (66 percent) provided data.

Type and Location of Tables

Tables 1 to 24 are discussed in the narrative to follow. Tables for each degree level report postgraduation activities of all responding graduates based upon the 23 major disciplines used in the federal HEGIS reporting system.

The appendix of this report contains further, more detailed, tables for the use of those persons interested in the responses of graduates in a specific discipline (Tables 30.0 through 33.3) as well as tables delineating the response rates for each major discipline area (Tables 25.0 through 25.3) and tables of follow-up findings for the major disciplines (Tables 26.0 through 29.3) The detailed appendix tables also include an "All Others" category which does not appear in the main body of the report. This category should have represented the difference between the number of respondents and the number of graduates in that degree field. Unfortunately, not all institutions responded in this manner. The form used to collect the data is being revised to avoid this problem in the future.

RESULTS FOR BACCALAUREATE GRADUATES

A comparison of 1981 postgraduation results with the results of the preceding four years is given. In contrast to previous years there was a decrease in full-time employment, an increase in part-time employment, a decrease in graduates employed in their fields of preparation and an increase in outmigration for employment. Unemployment also increased in 1981.

Table 1.0

Results for Bachelor's Graduates

Year	Responding Graduates	Full-Time Employed	Part-Time Employed	Unemployed	Advanced Degree	Full-Time Employed Employed in Field Prepared	Full-Time Employed Employed in Pa.
		%	%	%	%	%	%
1977	29,140	62.0	5.8	15.9	16.3	75.5	69.6
1978	28,273	66.0	4.4	12.8	16.8	77.3	68.5
1979	29,819	69.5	4.2	9.6	16.7	77.6	67.4
1980	32,858	70.3	4.0	10.0	15.7	80.8	67.0
1981	31,941	67.6	4.7	11.7	16.0	75.9	66.1

Table 1, on page 6 summarizes the postgraduation status for a total of 31,941 baccalaureate graduates in 23 major disciplines in 1981. Detailed data for these graduates, listed by degree field and institutional category, are given in the appendix.

Attention should be given to the interrelationships among the percentages following each major discipline in Table 1. For example, major disciplines with lower proportions of graduates in full-time employment tend to have higher proportions in one or more of the other categories, such as "pursuing advanced degrees" and "unemployed."

Full-Time Employment for Bachelor's Graduates

Table 2.0 on page 7, ranks the major disciplines from high to low according to the success of graduates in obtaining full-time employment in 1981. Comparable percentages and ranks from the 1980 report on baccalaureate graduates are included for comparison purposes.

The percentage changes in full-time employment for baccalaureate graduates between 1980 and 1981 based on the findings in Table 2.1 were:

	Percent Increase		Percent Decrease
Area Studies	6.1	Law	-20.8
Theology	5.1	Architecture	-15.3
Fine and Applied Arts	2.0	Library Science	-10.3
Interdisciplinary studies	1.8	Letters	- 5.4
		Public Affairs	- 4.9
		Psychology	- 4.7
		Agriculture and Natural Resources	- 4.2
		Computer and Information Sciences	- 4.1
		Foreign Languages	- 3.5
		Mathematics	- 3.3
		Education	- 3.2
		Communications	- 3.0
		Business and Management	- 2.9
		Physical Sciences	- 2.8
		Home Economics	- 2.4
		Social Sciences	- 2.3
		Health	- 1.5
		Engineering	- 1.5
		Biological Sciences	- 1.1

Table 2.1, on page 8, similarly ranks the major disciplines from high to low according to the full-time employment success of graduates not going on for an advanced degree, i.e., those in the labor market, with comparisons made between the years 1980 and 1981.

Table 1.1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	634	210 (33.1)	119 (18.8)	51 (8.0)	32 (5.0)	25 (3.9)	107 (16.9)	90 (14.2)
Architecture and Environmental Design	114	35 (30.7)	28 (24.6)	5 (4.4)	3 (2.6)	3 (2.6)	15 (13.2)	25 (21.9)
Area Studies	31	3 (9.7)	1 (3.2)	5 (16.1)	8 (25.8)	1 (3.2)	4 (12.9)	9 (29.0)
Biological Sciences	1,756	339 (19.3)	150 (8.5)	98 (5.6)	65 (3.7)	55 (3.1)	154 (8.8)	895 (51.0)
Business and Management	7,107	3,321 (46.7)	1,449 (20.4)	407 (5.7)	142 (2.0)	212 (3.0)	1,132 (15.9)	444 (6.2)
Communications	918	301 (32.8)	113 (12.3)	169 (18.4)	42 (4.6)	76 (8.3)	151 (16.4)	66 (7.2)
Computer and Information Sciences	713	366 (51.3)	220 (30.9)	15 (2.1)	2 (.3)	8 (1.1)	75 (10.5)	27 (3.8)
Education	4,528	1,670 (36.9)	742 (16.4)	577 (12.7)	138 (3.0)	519 (11.5)	438 (9.7)	444 (9.8)
Engineering	2,839	1,036 (36.5)	1,387 (48.9)	25 (.9)	37 (1.3)	5 (.2)	117 (4.1)	232 (8.2)
Fine and Applied Arts	925	234 (25.3)	159 (17.2)	113 (12.2)	69 (7.5)	78 (8.4)	94 (10.2)	178 (19.2)
Foreign Languages	320	32 (10.0)	39 (12.2)	45 (14.1)	58 (18.1)	18 (5.6)	65 (20.3)	63 (19.7)
Health Professions	2,452	1,720 (70.1)	397 (16.2)	30 (1.2)	12 (.5)	32 (1.3)	83 (3.4)	178 (7.3)
Home Economics	587	255 (43.4)	121 (20.6)	40 (6.8)	15 (2.6)	29 (4.9)	64 (10.9)	63 (10.7)
Interdisciplinary Studies	411	96 (23.4)	46 (11.2)	60 (14.6)	31 (7.5)	24 (5.8)	57 (13.9)	97 (23.6)
Law	14	- -	- -	- -	2 (14.3)	- -	- -	12 (85.7)
Letters	1,214	190 (15.7)	150 (12.4)	200 (16.5)	110 (9.1)	79 (6.5)	204 (16.8)	281 (23.1)
Library Science	48	14 (29.2)	10 (20.8)	7 (14.6)	2 (4.2)	2 (4.2)	7 (14.6)	6 (12.5)
Mathematics	436	146 (33.5)	120 (27.5)	26 (6.0)	17 (3.9)	8 (1.8)	41 (9.4)	78 (17.9)
Physical Sciences	1,177	210 (17.8)	232 (19.7)	40 (3.4)	26 (2.2)	22 (1.9)	121 (10.3)	526 (44.7)
Psychology	1,308	254 (19.4)	93 (7.1)	212 (16.2)	97 (7.4)	87 (6.7)	191 (14.6)	374 (28.6)
Public Affairs and Services	1,518	513 (33.8)	170 (11.2)	222 (14.6)	70 (4.6)	100 (6.6)	230 (15.2)	213 (14.0)
Social Sciences	2,741	505 (18.4)	279 (10.2)	411 (15.0)	264 (9.6)	113 (4.1)	387 (14.1)	782 (28.5)
Theology	150	19 (12.7)	29 (19.3)	45 (30.0)	10 (6.7)	3 (2.0)	5 (3.3)	39 (26.0)
GRAND TOTAL	31,941	11,469 (35.9)	6,054 (19.0)	2,803 (8.8)	1,252 (3.9)	1,499 (4.7)	3,742 (11.7)	5,122 (16.0)

Figures in parenthesis represent percentage values.

Table 2.0

Percentage of Bachelor's Degree Graduates with Full-Time Employment, Ranked by Major Disciplines for 1981

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Health Professions	89.6	88.1	1	1
Engineering	89.0	87.5	2	2
Computer and Information Sciences	88.7	84.6	3	3
Business and Management	77.7	74.8	5	4
Home Economics	75.8	73.4	7	5
Mathematics	74.2	70.9	8	6
Education	72.3	69.1	9	7
Library Science	79.1	68.8	4	8
Theology	63.6	68.7	13	9
Communications	71.1	68.1	10	10
Agriculture and Natural Resources	69.2	65.0	11	11
Public Affairs and Services	69.1	64.2	12	12
Architecture and Environmental Design	77.6	62.3	6	13
Fine and Applied Arts	60.2	62.2	14	14
Interdisciplinary Studies	54.9	56.7	18.5	15
Area Studies	48.7	54.8	20	16
Foreign Languages	57.9	54.4	16	17
Letters	58.9	53.5	15	18
Social Sciences	55.5	53.2	17	19
Psychology	54.9	50.2	18.5	20
Physical Sciences	46.0	43.2	21	21
Biological Sciences	38.2	37.1	22	22
Law	35.1	14.3	23	23

Table 2.1

Percentage of Bachelor's Degree Recipients in the Labor Market with Full-Time Employment, Ranked by Major Discipline for 1981

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Law	92.9	100.0	4	1
Engineering	96.1	95.3	1	2
Health Professions	95.2	94.9	2	3
Theology	94.1	92.8	3	4
Computer and Information Sciences	92.8	87.9	5	5
Mathematics	90.1	86.3	7	6
Home Economics	84.7	82.3	9	7
Architecture and Environmental Design	92.2	79.8	6	8.5
Business and Management	75.4	79.8	18	8.5
Library Sciences	88.3	78.6	8	10
Physical Sciences	83.3	78.0	10	11
Area Studies	67.9	77.3	23	12
Fine and Applied Arts	72.2	77.0	22	13
Education	79.8	76.6	12	14
Agriculture and Natural Resources	80.6	75.7	11	15.5
Biological Sciences	76.1	75.7	16	15.5
Public Affairs and Services	77.0	74.7	15	17
Social Sciences	77.2	74.5	14	18
Interdisciplinary Studies	74.4	74.2	20	19
Communications	75.8	73.4	17	20
Psychology	75.3	70.2	19	21
Letters	78.3	69.7	13	22
Foreign Languages	74.1	67.7	21	23

The percentage changes in the full-time employment of graduates in the job market i.e., not pursuing an advanced degree, between 1980 and 1981 were:

	Percent Increase		Percent Decrease
Area Studies	9.4	Architecture	-12.4
Law	7.1	Library Sciences	- 9.7
Fine and Applied Arts	4.8	Letters	- 8.6
Business and Management	4.4	Foreign Languages	- 6.4
		Physical Sciences	- 5.3
		Psychology	- 5.1
		Agriculture	- 4.9
		Computer and Information Sciences	- 4.9
		Mathematice	- 3.8
		Education	- 3.2
		Social Sciences	- 2.7
		Communications	- 2.4
		Home Economics	- 2.4
		Public Affairs and Services	- 2.3
		Theology	- 1.3
		Engineering	- 0.8
		Biological Sciences	- 0.4
		Health Professions	- 0.3
		Interdisciplinary Studies	- 0.2

Percentage of Graduates Not Seeking Employment

The percentage of baccalaureate graduates who are not seeking employment has held steady at approximately 2.0 percent over the past five years. In a detailed study in 1974, 2.3 percent of the 25,176 graduates surveyed indicated they were not seeking employment at that time. In 1978 an inquiry directed at career services officers at the state colleges and university revealed the percentage of graduates not seeking employment ranged from a low of 0.5 percent at one institution to a high of 4.3 at another, for an average of about 2.0 percent.

Bachelor's Graduates Employed in Field of Preparation

Table 3, on page 10, indicates by percent and rank order the degree to which full-time employed baccalaureate graduates were employed in their field of preparation in 1980 and 1981.

Table 3

Percentage of Full-Time Employed Bachelor's Degree Graduates Employed in Their Field of Preparation, Ranked by Major Discipline, 1981

Disciplines	Percent		Rank	
	1980	1981	1980	1981
Health Professions	98.3	98.1	1	1
Engineering	97.2	97.5	2.5	2
Computer and Information Sciences	97.2	97.2	2.5	3
Business and Management	87.5	89.7	6	4
Architecture and Environmental Design	94.0	88.7	4	5
Home Economics	87.1	87.2	7	6
Physical Sciences	83.5	87.0	8	7
Mathematics	89.3	86.1	5	8
Agriculture and Natural Resources	82.2	79.8	9	9
Education	79.7	77.1	10	10
Biological Sciences	69.9	75.0	13	11
Library Sciences	73.6	72.7	12	12
Public Affairs and Services	73.7	70.1	11	13
Fine and Applied Arts	69.1	68.3	14	14
Communications	63.3	66.2	15	15
Interdisciplinary Studies	57.4	60.9	17	16
Social Sciences	50.5	53.7	20	17
Psychology	54.6	52.9	18	18
Letters	51.6	52.3	19	19
Theology	60.4	46.6	16	20
Foreign Languages	41.4	40.8	22	21
Area Studies	36.8	23.5	23	22
Law	46.2	0.0	21	23

Changes in the full-time employed percentages for those employed in their field of preparation between 1980 and 1981 were as follows:

	Percent Increase		Percent Decrease
Biological Sciences	5.1	Law	-46.2
Physical Sciences	3.5	Theology	-13.8
Interdisciplinary Studies	3.5	Area Studies	-13.3
Social Sciences	3.2	Architecture and Natural Resources	- 5.3
Communications	2.9		
Business and Management	2.2	Public Affairs and Services	- 3.6
Letters	0.7		
Engineering	0.3	Mathematics	- 3.2
Home Economics	0.1	Education	- 2.6
		Agriculture and Natural Resources	- 2.4
	No Change	Psychology	- 1.7
		Library Science	- 0.9
Computer and Information Science	0.0	Fine and Applied Arts	- 0.8
		Foreign Languages	- 0.6
		Health Professions	- 0.2

Bachelor's Graduates Employed in Pennsylvania

Table 4, on page 12, ranks the major disciplines according to the percentage of fully employed baccalaureate graduates in each discipline who are employed in Pennsylvania.

Percentage changes in baccalaureate graduates' full-time employment in Pennsylvania between 1980 and 1981 were:

	Percent Increase		Percent Decrease
Computer and Information Science	5.6	Library Science	-27.0
Communications	5.2	Law	-23.1
Public Affairs and Services	1.8	Area Studies	-21.3
Agriculture and Natural Resources	1.6	Foreign Languages	-19.9
Architecture and Environmental Design	0.9	Fine and Applied Arts	- 6.9
		Letters	- 6.8
Education	0.8	Mathematics	- 4.6
Business and Management	0.1	Physical Sciences	- 4.6
Interdisciplinary Studies	0.0	Biological Sciences	- 3.6
		Theology	- 3.5
		Social Sciences	- 3.0
		Engineering	- 2.2
		Psychology	- 2.0
		Health Professions	- 0.8
		Home Economics	- 0.7

Table 4

Percentage of Full-Time Employed Bachelor's Graduates
Employed in Pennsylvania, Ranked by Major Discipline, 1980

Disciplines	Percent		Rank	
	1980	1981	1980	1981
Health Professions	81.9	81.1	2	1
Public Affairs and Services	73.6	75.4	3	2
Communications	70.0	75.2	7	3
Education	71.1	71.9	5	4
Business and Management	70.0	70.1	9	5
Psychology	73.0	71.0	4	6
Home Economics	69.1	68.4	8	7
Biological Sciences	70.6	67.0	6	8.5
Interdisciplinary Studies	67.0	67.0	12	8.5
Library Sciences	90.6	63.6	1	10
Agriculture and Natural Resources	61.7	63.3	17	11
Computer and Information Sciences	57.6	63.2	19	12
Social Sciences	65.8	62.8	14	13
Theology	65.6	62.1	15	14
Fine and Applied Arts	67.2	60.3	11	15
Letters	66.8	60.0	13	16
Architecture and Environmental Design	55.4	56.3	20	17
Mathematics	60.3	55.7	18	18
Physical Sciences	53.8	49.2	21	19
Area Studies	68.4	47.1	10	20
Engineering	44.9	42.7	22	21
Foreign Languages	64.2	44.3	16	22
Law	23.1	0.0	23	23

Bachelor's Graduates Seeking Advanced Degrees

Table 5, on page 14, permits comparison of the extent to which baccalaureate graduates in each major discipline pursued advanced degrees in 1980 and 1981.

Listed below are the changes in the percentage of baccalaureate graduates pursuing advanced degrees between 1980 and 1981.

	Percent Increase		Percent Decrease
Law	23.5	Theology	- 6.5
Architecture and Natural Resources	6.0	Interdisciplinary Studies	- 2.6
Public Affairs and Services	3.7	Foreign Languages	- 2.1
Fine and Applied Arts	2.6	Letters	- 1.7
Library Science	2.1	Business and Management	- 1.3
Psychology	1.7	Computers and Information Sciences	- 0.6
Health Profession	1.4	Agriculture and Natural Resources	- 0.1
Biological Sciences	1.2	Physical Sciences	- 0.1
Area Studies	0.8		
Communications	0.8		
Engineering	0.7		
Education	0.6		
Social Sciences	0.5		
Mathematics	0.3		
Home Economics	0.2		

Bachelor's Level Employment Ranked by Major Discipline, 1975-1981

Table 6, on page 15, ranks the 23 major disciplines according to the average of their full-time employment ranks over the past seven years.

When a large scale resurvey of 1974 bachelor's graduates was conducted two and one-half years later in 1977, the findings indicated that full-time employment had increased over time by an overall average of 12 percent for graduates in all major disciplines except four, in which decreases were noted.

Analysis of the data from the resurvey showed that of the 11 major disciplines ranking lowest for employment in Table 6, graduates in four of these disciplines had over time increased in full-time employment by an overall average of 20 percent. These disciplines were area studies, social sciences, foreign languages, and fine and applied arts. Full-time employment increases averaging six percent also occurred for graduates in biology, psychology, and letters. Employment decreases averaging 10 percent were found for graduates of theology, law, physical sciences, and interdisciplinary studies but these latter four disciplines were also among the highest in the percentage of bachelor's graduates pursuing advanced degrees.

Table 5

Percentage of Bachelor's Graduates Pursuing
Advanced Degrees, Ranked by Major Disciplines, 1981

Major Disciplines	Percent		Rank	
	1980	1981	1980	1981
Law	62.2	85.7	1	1
Biological Sciences	49.8	51.0	2	2
Physical Sciences	44.8	28.6	3	3
Psychology	26.9	28.6	7	4
Social Sciences	28.0	28.5	6	5
Area Studies	28.2	29.0	5	6
Theology	32.5	26.0	4	7
Interdisciplinary Studies	26.2	23.6	8	8
Letters	24.8	23.1	9	9
Architecture and Environmental Design	15.9	21.9	13	10
Foreign Languages	21.8	19.7	10	11
Fine and Applied Arts	16.6	19.2	12	12
Mathematics	17.6	17.9	11	13
Agriculture and Natural Resources	14.3	14.2	14	14
Public Affairs and Services	10.3	14.0	17	15
Library Science	10.4	12.5	16	16
Home Economics	10.5	10.7	15	17
Education	9.2	9.8	18	18
Engineering	7.5	8.2	19.5	19
Health Professions	5.9	7.3	22	20
Communications	6.4	7.2	21	21
Business and Management	7.5	6.2	19.5	22
Computer and Information Sciences	4.4	3.8	23	23

Table 6

Full-Time Employment Rank Comparisons for Bachelor's Degree Graduates Listed In Order of Median Ranking Over Time (1975-1981)

Disciplines	Ranks						
	1975	1976	1977	1978	1979	1980	1981
1. Health Professions	5	2	1	1	2	1	1
2. Computer and Information Sciences	3	1	2	3	1	3	3
3. Engineering	4	3	3	2	3	2	2
4. Business and Management	7	4.5	5	5	4	5	4
5. Library Science	6	4.5	4	6	6	4	8
6. Agriculture and Natural Resources	2	7	7	7	13	11	11
7. Home Economics	8	6	12	9.5	9	7	5
8. Mathematics	11.5	9	8	7	8	8	6
9. Education	10	10	9	8	10	9	7
10. Communication	1	8	10	9.5	12	10	10
11. Architecture and Environmental Design	11.5	13	6	11	5	6	13
12. Theology	13	14	14	13	7	13	9
13. Public Affairs and Services	9	11	11	12	11	12	12
14. Fine and Applied Arts	14	15	13	18	14	14	14
15.5. Foreign Languages	16	17	20	14	16	16	17
15.5. Letters	15	16	16	20	17	15	18
17. Interdisciplinary Studies	18	20	19	16	15	18.5	15
18. Social Sciences	17	18	15	21	18	17	19
19. Area Studies	22	13	17	19	20	20	16
20. Psychology	19	19	18	17	19	18.5	20
21. Physical Sciences	20	21	21	22	21	21	21
22. Biological Sciences	21	22	23	23	22	22	22
23. Law	23	23	22	15	23	23	23

RESULTS FOR MASTER'S DEGREE GRADUATES

Highlighted below are the postgraduation results for master's graduates for 1981 and the three previous years. While the master's degree graduates show a rise in full-time employment and a concommittant decline in unemployment for the first two years the overall pattern is one of decreasing full-time employment and increasing unemployment when the years 1978 and 1981 are compared. An overall decline for employment is the field for which they prepared may also be noted during this period.

Table 7.0

Results for Master's Degree Graduates

Year	Responding Graduates	Full Time	Part Time	Un-employed	Advanced Degree	Full-Time Employed	
						Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1978	3,847	82.1	2.3	5.5	10.1	90.8	77.3
1979	3,567	83.7	2.7	4.7	8.9	92.3	70.2
1980	3,780	84.1	2.7	4.5	8.7	90.1	74.0
1981	3,503	81.2	3.0	6.1	9.6	89.3	69.9

Table 7, on page 17, summarizes the postgraduation status of 3,503 master's degree recipients in 23 major disciplines in 1981. Detailed data for graduates in each degree field and institutional segment are given in the appendix.

Full-Time Employment for Master's Degree Graduates

The relative success of master's graduates in obtaining full-time employment is indicated in Table 8.0 on page 18. In this table, graduates in each major discipline are ranked from high to low according to the proportion of master's graduates with full-time employment.

Table 8.1, on page 19, in contrast, ranks the disciplines based on the percentage the full-time employed were of those in the labor market, i.e., those pursuing advanced degrees were excluded. In effect, Table 8.1 indicates the degree of employment success for those actively seeking a position.

Master's Graduates Employed in Their Field of Preparation

Table 9, on page 20, ranks the proportion of full-time master's graduates in each major discipline who were employed in their field of preparation in 1981. Comparable statistics for baccalaureate graduates are included.

Table 7.1

Employment Status by Major Discipline for Master's Degree Recipients for All Institutions in Pennsylvania, 1981

Major Disciplines	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	25	2 (8.0)	7 (28.0)	2 (8.0)	1 (4.0)	- -	4 (16.0)	9 (36.0)
Architecture and Environmental Design	16	10 (62.5)	4 (25.0)	- -	- -	- -	1 (6.3)	1 (6.3)
Area Studies	8	3 (37.5)	1 (12.5)	- -	- -	- -	4 (50.0)	- -
Biological Sciences	87	35 (40.2)	19 (21.8)	2 (2.3?)	3 (3.4)	- -	4 (4.6)	24 (27.6)
Business and Management	621	304 (49.0)	185 (29.8)	48 (7.7)	16 (2.6)	8 (1.3)	33 (5.3)	27 (4.3)
Communications	37	15 (40.5)	9 (24.3)	6 (16.2)	- -	- -	6 (16.2)	1 (2.7)
Computer and Information Sciences	56	21 (37.5)	12 (21.4)	1 (1.8)	1 (1.8)	- -	7 (12.5)	14 (25.0)
Education	1,351	812 (60.1)	207 (15.3)	120 (8.9)	21 (1.6)	59 (4.4)	75 (5.6)	57 (4.2)
Engineering	275	135 (49.1)	79 (28.7)	2 (.7)	- -	1 (.4)	5 (1.8)	53 (19.3)
Fine and Applied Arts	83	33 (39.8)	24 (28.9)	4 (4.8)	3 (3.6)	8 (9.6)	7 (8.4)	4 (4.8)
Foreign Languages	7	2 (28.6)	2 (28.6)	- -	1 (14.3)	1 (14.3)	1 (14.3)	- -
Health Professions	71	50 (70.4)	18 (25.4)	- -	- -	2 (2.8)	- -	1 (1.4)
Home Economics	11	4 (36.4)	1 (9.1)	- -	- -	1 (9.1)	3 (27.3)	2 (18.2)
Interdisciplinary Studies	33	20 (60.6)	4 (12.1)	5 (15.2)	- -	- -	1 (3.0)	3 (9.1)
Law	104	24 (23.1)	68 (65.4)	- -	- -	- -	- -	12 (11.5)
Letters	86	28 (32.6)	7 (8.1)	4 (4.7)	3 (3.5)	9 (10.5)	7 (8.1)	28 (32.6)
Library Science	29	11 (37.9)	7 (24.1)	- -	- -	1 (3.4)	10 (34.5)	- -
Mathematics	44	18 (40.9)	7 (15.9)	- -	1 (2.3)	- -	3 (6.8)	15 (34.1)
Physical Sciences	74	16 (21.6)	25 (33.8)	3 (4.1)	2 (2.7)	1 (1.4)	1 (1.4)	26 (35.1)
Psychology	91	36 (39.6)	15 (16.5)	6 (6.6)	3 (3.3)	- -	6 (6.6)	25 (27.5)
Public Affairs and Services	293	145 (49.5)	60 (20.5)	16 (5.5)	15 (5.1)	13 (4.4)	27 (9.2)	17 (5.8)
Social Sciences	80	29 (36.2)	14 (17.5)	6 (7.5)	3 (3.7)	1 (1.2)	10 (12.5)	17 (21.2)
Theology	21	7 (33.3)	7 (33.3)	5 (23.8)	1 (4.8)	- -	- -	1 (4.8)
GRAND TOTAL	3,503	1,760 (50.2)	782 (22.3)	230 (6.6)	74 (2.1)	105 (3.0)	215 (6.2)	337 (9.6)

Figures in parenthesis represent percentage values.

Table 8.0

Full-Time Employment in 1981 for
Master's Versus Baccalaureate Graduates

Major Discipline	Percent	
	Master's	Bachelor's
Health Professions	95.8*	88.1
Theology	95.2*	68.7
Business and Management	89.0*	74.8
Law	88.5	14.3
Interdisciplinary Studies	87.9*	56.7
Architecture and Environmental Design	87.5*	62.3
Education	85.9	69.1
Communications	81.1	68.1
Public Affairs and Services	80.5	64.2
Engineering	78.5*	87.5
Fine and Applied Arts	77.1*	62.2
Foreign Languages	71.4*	54.4
Biological Sciences	67.8*	37.1
Psychology	65.9	50.2
Social Sciences	65.0	53.2
Computer and Information Sciences	62.5	84.6
Physical Sciences	62.2	43.2
Library Science	62.1	68.8
Mathematics	59.1	70.9
Agriculture and Natural Resources	50.0	65.0
Area Studies	50.0*	54.8
Letters	48.8	53.5
Home Economics	45.5*	73.4

*These disciplines show increases over last year.

Table 8.1

Full-Time Employment in 1981 for Master's Degree
Versus Baccalaureate Graduates Who Are in the Labor Market*

Major Discipline	Percent	
	Master's	Bachelor's
Law	100.0	92.9
Theology	100.0	92.8
Engineering	97.3	95.3
Health Professions	97.1	94.9
Interdisciplinary Studies	96.7	74.2
Physical Sciences	95.8	78.0
Biological Sciences	93.7	75.7
Architecture and Environmental Design	93.3	79.8
Business and Management	93.1	79.8
Psychology	90.9	70.2
Mathematics	89.7	86.3
Education	89.6	76.6
Public Affairs and Services	85.5	74.7
Communications	83.3	73.4
Computer and Information Sciences	83.3	87.9
Social Sciences	82.5	74.5
Fine and Applied Arts	81.0	77.0
Agriculture and Natural Resources	75.0	75.7
Letters	72.4	69.7
Foreign Languages	71.4	67.7
Library Science	62.1	78.6
Home Economics	55.5	82.3
Area Studies	50.0	77.3

*Excludes those pursuing an advanced degree.

Table 9

Percentage of Full-Time Employed Master's Graduates Employed in Field of Preparation, 1981

Major Discipline	Percent	
	Master's	Bachelor's
Architecture and Environmental Design	100.0*	88.7
Area Studies	100.0	23.5
Health Professions	100.0*	98.1
Home Economices	100.0	87.2
Law	100.0	0.0
Library Science	100.0*	72.7
Engineering	99.1*	97.5
Mathematics	96.2	89.3
Computer and Information Sciences	94.3	97.2
Biological Sciences	91.5*	75.0
Fine and Applied Arts	89.1	68.3
Physical Sciences	89.1	87.0
Business and Management	88.4	89.7
Education	87.8*	77.1
Public Affairs and Services	86.9*	70.0
Psychology	85.0	52.9
Letters	83.3	52.3
Interdisciplinary Studies	82.8	60.9
Social Sciences	82.7*	53.7
Communications	80.0	66.2
Foreign Languages	80.0	40.8
Agriculture and Natural Resources	75.0	79.8
Theology	70.0	46.6

*These disciplines show increases over last year.

Master's Graduates Employed in Pennsylvania

Table 10 below shows the percent of the full-time employed master's graduates in each major discipline who were employed in Pennsylvania in 1981. Comparable 1981 baccalaureate statistics are included in Table 10.

Table 10

Percentage of Full-Time Employed Master's Graduates Employed in Pennsylvania, 1981

Major Discipline	Percent	
	Master's	Bachelor's
Interdisciplinary Studies	86.2*	67.0
Education	80.3	71.9
Home Economics	80.0*	68.4
Letters	76.2*	60.0
Area Studies	75.0	47.1
Health Professions	73.5	81.1
Architecture and Environmental Design	71.4	56.3
Communications	70.0*	75.2
Psychology	70.0	71.0
Mathematics	69.2*	55.7
Public Affairs and Services	68.2*	75.4
Social Sciences	67.3*	62.8
Business and Management	63.7	70.1
Engineering	63.4*	42.7
Computer and Information Sciences	62.9	63.2
Biological Sciences	62.7*	67.0
Library Science	61.1	63.6
Theology	60.0	62.1
Fine and Applied Arts	57.8	60.3
Physical Sciences	41.3	49.2
Foreign Languages	40.0	44.3
Agriculture and Natural Resources	33.3	63.3
Law	26.1	0.0

*These disciplines show an increase over last year.

Master's Graduates Who Pursue Advanced Degrees

Table 11 below shows the proportion of master's graduates pursuing advanced studies compared with bachelor's graduates for 1981.

Table 11

Master's Degree Graduates Pursuing Advanced Degrees in 1981 Compared to Baccalaureate Graduates

Major Discipline	Percent	
	Master's	Bachelor's
Agriculture and Natural Resources	36.0*	14.2
Physical Sciences	35.1*	44.7
Mathematics	34.1	17.9
Letters	32.6*	23.1
Biological Sciences	27.6	51.0
Psychology	27.5*	28.6
Computer and Information Science	25.0*	3.8
Social Sciences	21.2*	28.5
Engineering	19.3*	8.2
Home Economics	18.2	10.7
Law	11.5*	85.7
Interdisciplinary Studies	9.1*	23.6
Architecture and Environmental Design	6.3	21.9
Public Affairs and Services	5.8*	14.0
Fine and Applied Arts	4.8*	19.2
Theology	4.8	26.0
Business and Management	4.3	6.2
Education	4.2*	9.8
Communications	2.7	7.2
Health Professions	1.4	7.3
Area Studies	0.0	29.0
Foreign Languages	0.0	19.7
Library Science	0.0	12.5

*These disciplines show increases over last year.

RESULTS FOR DOCTORAL GRADUATES

Table 12, on page 24, gives the postgraduation activities for persons receiving doctoral degrees from Pennsylvania institutions in 1980.

A brief overview of the postgraduation status for doctoral graduates for 1977 through 1981 follows:

Table 12.0

Results for Doctoral Degree Graduates

Year	Responding Graduates	Full Time	Part Time	Un-employed	Advanced Degree	Full-Time Employed: Employed in Field Prepared	Full-Time Employed: Employed in Pa.
		%	%	%	%	%	%
1977	500	90.8	3.6	4.2	1.4	90.3	57.0
1978	449	88.8	3.3	4.0	3.8	89.0	54.6
1979	339	90.9	3.2	5.0	0.9	95.8	50.3
1980	339	90.4	3.0	3.3	3.3	97.0	44.9
1981	375	91.7	3.5	3.2	1.6	95.3	41.3

Full-Time Employment for Doctoral Graduates

Table 13.0, on page 25, ranks each major discipline according to the percentage of doctoral graduates with full-time employment in 1981. Low return rates for several major disciplines may have resulted in unduly high employment percentages in such areas. It is evident, however, that doctoral graduates as a whole enjoy high rates of full-time employment.

Table 13.1, on page 26, for most disciplines, showed a similar pattern to that of Table 13.0 when those going on for advanced work are excluded with the exception of home economics.

Doctoral Graduates Employed in Their Field of Preparation

Table 14, on page 27, shows a high proportion of employed doctoral graduates working in their field of preparation with the exception of graduates in Area Studies and Fine and Applied Arts. Examination of these proportions and ranks of graduates among the various disciplines indicates that there is a generally high probability of doctoral degree recipients being employed in their field of preparation.

Table 12.1

Employment Status by Major Discipline for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1981

Major Disciplines	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	3	-	3	-	-	-	-	-
		-	(100.0)	-	-	-	-	-
Area Studies	3	1	1	-	1	-	-	-
		(33.3)	(33.3)	-	(33.3)	-	-	-
Biological Sciences	41	8	27	-	1	-	2	3
		(19.5)	(65.9)		(2.4)		(4.9)	(7.3)
Business and Management	15	2	13	-	-	-	-	-
		(13.3)	(86.7)	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Computer and Information Sciences	9	-	9	-	-	-	-	-
		-	(100.0)	-	-	-	-	-
Education	113	61	31	5	2	8	5	1
		(54.0)	(27.4)	(4.4)	(1.8)	(7.1)	(4.4)	(.9)
Engineering	41	9	32	-	-	-	-	-
		(22.0)	(78.0)	-	-	-	-	-
Fine and Applied Arts	1	-	-	1	-	-	-	-
		-	-	(100.0)	-	-	-	-
Foreign Languages	6	2	1	-	1	-	2	-
		(33.3)	(16.7)	-	(16.7)	-	(33.3)	-
Health Professions	10	3	5	1	-	-	1	-
		(30.3)	(50.0)	(10.0)	-	-	(10.0)	-
Home Economics	7	1	5	-	-	-	-	1
		(14.3)	(71.4)	-	-	-	-	(14.3)
Interdisciplinary Studies	1	-	1	-	-	-	-	-
		-	(100.0)	-	-	-	-	-
Letters	29	8	17	1	2	-	1	-
		(27.6)	(58.6)	(3.4)	(6.9)		(3.4)	-
Library Science	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
Mathematics	10	2	8	-	-	-	-	-
		(20.0)	(80.0)	-	-	-	-	-
Physical Sciences	31	11	19	-	-	1	-	-
		(35.5)	(61.3)	-	-	(3.2)	-	-
Psychology	27	17	8	-	-	1	1	-
		(63.0)	(29.6)	-	-	(3.7)	(3.7)	-
Public Affairs and Services	4	-	4	-	-	-	-	-
		-	(100.0)	-	-	-	-	-
Social Sciences	24	8	11	1	-	3	-	1
		(33.3)	(45.8)	(4.2)	-	(12.5)	-	(4.2)
GRAND TOTAL	375	133	195	9	7	13	12	6
		(35.5)	(52.0)	(2.4)	(1.9)	(3.4)	(3.2)	(1.6)

Figures in parenthesis represent percentage values.

Table 13.0

Full-Time Employment in 1980 for Doctoral
Versus Baccalaureate and Master's Graduates

Major Discipline	Percent		
	Doctoral	Master's	Bachelor's
Agriculture and Natural Resources	100.0	50.0	65.0
Area Studies	100.0*	50.0	54.8
Business and Management	100.0	89.0	74.8
Computer and Information Sciences	100.0	62.5	84.6
Engineering	100.0	78.5	87.5
Fine and Applied Arts	100.0*	77.1	62.2
Interdisciplinary Studies	100.0	87.9	56.7
Mathematics	100.0*	59.1	70.9
Public Affairs and Services	100.0	80.5	64.2
Physical Sciences	96.8	62.2	43.2
Letters	96.5*	48.8	53.3
Psychology	92.6	65.9	50.2
Health Professions	90.0*	95.8	88.1
Biological Sciences	87.8*	67.8	37.1
Education	87.6	85.9	69.1
Home Economics	85.7*	45.5	73.4
Social Sciences	83.3	65.0	53.2
Foreign Languages	66.7*	71.4	54.4
Communications	N.R.	81.1	68.1
Library Science	N.R.	62.1	68.8

*These disciplines show increases over last year.

Table 13.1

Full-Time Employment in 1981 for Doctoral Versus Baccalaureate and Master's Degree Graduates in the Labor Market*

Major Discipline	Percent		
	Doctoral	Master's	Bachelor's
Agriculture and Natural Resources	100.0	75.0	75.7
Area Studies	100.0	50.0	77.3
Business and Management	100.0	93.1	79.8
Computer and Information Sciences	100.0	83.3	87.9
Engineering	100.0	97.3	95.3
Fine and Applied Arts	100.0	81.0	77.0
Home Economics	100.0	55.5	82.3
Interdisciplinary Studies	100.0	96.7	74.2
Mathematics	100.0	89.7	86.3
Public Affairs and Services	100.0	85.5	74.7
Physical Sciences	96.8	95.8	78.0
Letters	96.5	72.4	69.7
Biological Sciences	94.7	93.7	75.7
Psychology	92.6	90.9	70.2
Health Professions	90.0	97.1	94.9
Education	88.4	89.6	76.6
Social Sciences	87.0	82.5	74.5
Foreign Languages	66.7	71.4	67.7
Communications	N.R.	83.3	73.4
Library Science	N.R.	62.1	78.6

*Excludes those pursuing advanced studies

Table 14

Percentage of Full Time Employed Doctoral Graduates
Versus Baccalaureate and Master's Degree Graduates
Employed in Their Field of Preparation, 1981

Major Discipline	Percent		
	Doctoral	Master's	Bachelor's
Agriculture and Natural Resources	100.0	75.0	79.8
Business and Management	100.0	88.4	89.7
Computer and Information Sciences	100.0	94.3	97.2
Engineering	100.0*	99.1	82.7
Foreign Languages	100.0	80.0	40.8
Home Economics	100.0	100.0	87.2
Interdisciplinary Studies	100.0	82.8	60.9
Mathematics	100.0	96.2	89.3
Physical Sciences	100.0*	89.1	87.0
Psychology	100.0	85.0	52.9
Public Affairs and Services	100.0	86.9	70.0
Biological Sciences	97.2	91.5	75.0
Social Sciences	95.0	82.7	53.7
Education	92.9	87.8	77.1
Letters	89.3	83.3	52.3
Health Professions	88.9	100.0	98.1
Area Studies	66.7	100.0	23.5
Fine and Applied Arts	0.0	89.1	68.3
Architecture and Environmental Design	N.R.	100.0	88.7
Communications	N.R.	80.0	66.2
Library Science	N.R.	100.0	72.7

Doctoral Graduates Employed in Pennsylvania

Table 15 below shows the proportion of full-time employed doctoral graduates employed in Pennsylvania. The list in Table 15 shows that 50 percent or more of the doctoral level graduates in 15 of the 18 major disciplines listed found employment outside Pennsylvania in 1981.

Table 15

Percentage of Full-time Employed Doctoral Graduates Versus Baccalaureate and Master's Degree Graduates Employed in Pennsylvania, 1981

Major Discipline	Percent		
	Doctoral	Master's	Bachelor's
Fine and Applied Arts	100.0	57.8	60.3
Psychology	68.0*	70.0	71.0
Education	66.7*	80.3	67.0
Foreign Languages	50.0	40.0	44.3
Social Sciences	45.0	67.3	62.8
Health Professions	44.4	73.5	81.1
Physical Sciences	36.7*	41.3	49.2
Area Studies	33.3	75.0	47.1
Letters	32.1*	76.2	60.0
Biological Sciences	22.2	62.7	67.0
Engineering	22.0	63.4	42.7
Mathematics	20.0	69.2	55.7
Home Economics	16.7	80.0	68.4
Business and Management	13.3	63.7	70.1
Agriculture and Natural Resources	0.0	33.3	63.3
Computer and Information Science	0.0	62.9	63.2
Interdisciplinary Studies	0.0	86.2	67.0
Public Affairs and Services	0.0	68.2	75.4
Communications	N.R.	70.0	75.2
Library Science	N.R.	61.1	63.6

*These disciplines show an increase over last year.

RESULTS FOR FIRST-PROFESSIONAL GRADUATES

The employment rate of first-professional degree graduates is still very high. Of those employed full time, almost all are employed in their field of preparation and the majority have shown initial employment inside Pennsylvania over the past four years.

Table 16.0

Results for First-Professional Degree Graduates

Year	Responding Graduates	Full Time	Part Time	Un-employed	Advanced Degree	Full-Time Employed	
						Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1977	2,645	91.9	0.5	2.2	5.4	96.4	57.1
1978	2,567	94.8	0.7	1.8	2.6	98.5	57.3
1979	2,290	95.1	1.3	1.5	2.1	98.8	60.0
1980	2,272	94.9	0.2	2.2	2.6	98.7	57.3
1981	2,184	96.1	0.3	2.1	1.5	99.5	54.9

Table 16, on page 30, gives the postgraduation status of 2,184 graduates of first-professional degree programs in Pennsylvania institutions for 1981.

Full-Time Employment for First-Professional Graduates

Table 17.0, below, ranks the major fields according to the percentage of first-professional graduates in each field with full-time employment and compares 1981 results with those for 1980. Table 17.1 similarly ranks the major fields but uses only those graduates in the labor market, i.e., those not seeking an advanced degree or other postgraduate work.

Table 17.0

Percentage of First-Professional Degree Graduates with Full-time Employment

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Osteopathy	100.0	100.0	1	1.5
Podiatry	100.0	100.0	2	1.5
Medicine (M.D.)	99.9	99.9	3	3
Optometry	95.2	93.3	4	4
Law	90.9	91.7	5	5
Veterinary Medicine	-	90.0	-	6
Denistry	82.3	89.3	6	7

Table 17.1

Percentage of First-Professional Degree Graduates in the Labor Market with Full-Time Employment*

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Osteopathy (D.O.)	100.0	100.0	2	1.5
Podiatry	100.0	100.0	2	1.5
Veterinary Medicine	-	100.0	-	-
Medicine (M.D.)	100.0	99.9	2	3
Optometry	96.4	98.8	5	4
Law	92.3	93.3	6	5
Dentistry	99.1	94.4	4	6

First-Professional Graduates Employed in Field of Preparation

Table 18, on page 31, ranks each major discipline in terms of the percentage of fully employed graduates having employment in their professional specialty and compares the 1981 with the 1980 results.

Table 16.1

Employment Status by Major Discipline for First-Professional Degree Recipients for All Institutions in Pennsylvania, 1981

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Dentistry (D.D.S. or D.M.D. Degree)	281	129 (45.9)	122 (43.4)	- -	- -	- -	15 (5.3)	15 (5.3)
Medicine (M.D. Degree)	931	477 (51.2)	453 (48.7)	- -	- -	- -	1 (0.1)	- -
Optometry (O.D. Degree)	90	26 (28.9)	57 (63.3)	1 (1.1)	- -	1 (1.1)	- -	5 (5.6)
Osteopathy (D.O. Degree)	204	118 (57.8)	86 (42.2)	- -	- -	- -	- -	- -
Podiatry (Pod. D., D.P. or Podiatric Medicine ((D.P.M.)) includes Chiropody)	107	53 (49.5)	54 (50.5)	- -	- -	- -	- -	- -
Veterinary Medicine (D.V.M. Degree)	42	36 (85.7)	- -	- -	2 (4.8)	- -	- -	4 (9.5)
Law, General (LL. B. or J.D. Degree)	529	308 (58.2)	170 (32.1)	4 (0.8)	3 (0.6)	6 (1.1)	29 (5.5)	9 (1.7)
GRAND TOTAL	2,184	1,147 (52.5)	942 (43.1)	5 (0.2)	5 (0.2)	7 (0.3)	45 (2.1)	33 (1.5)

Table 18

Percentage of Full-Time Employed First-Professional Graduates Employed in Their Field of Preparation

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Dentistry	100.0	100.0	2	2.5
Medicine (M.D.)	100.0	100.0	2	2.5
Osteopathy (D.O.)	100.0	100.0	2	2.5
Podiatry	100.0	100.0	2	2.5
Optometry	98.8	98.8	5	5
Law	95.5	98.6	6	6
Veterinary Medicine	-	94.7	-	-

First-Professional Graduates Employed in Pennsylvania

Table 19 below compares the percentage of fully employed first-professional graduates employed in Pennsylvania shortly after their graduation both in 1980 and 1981.

Table 19

Percentage of Full-Time Employed First-Professional Degree Graduates Employed in Pennsylvania

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Veterinary Medicine	-	94.7	-	-
Law	63.1	64.3	2	1
Osteopathy	58.9	57.8	3	2
Dentistry	78.4	51.4	1	3
Medicine (M.D.)	51.4	51.3	4	4
Podiatry	45.7	49.5	5	5
Optometry	35.0	32.1	6	6

First-Professional Graduates Who Pursue Advanced Degrees

As might be expected, relatively small numbers of first-professional degree graduates in the following major disciplines pursued advanced degrees shortly after being graduated in 1981: veterinary medicine, 9.5 percent; optometry, 5.6 percent; dentistry, 5.3 percent; and law, 1.7 percent (from Table 16).

RESULTS FOR ASSOCIATE DEGREE GRADUATES

The postgraduation activities results given in Table 20, on page 32, represent 9,993 associate degree graduates from all types of Pennsylvania institutions in 1981. The top of the page following Table 20 is a summary of the postgraduation status of associate degree graduates for 1977 through 1981.

Table 21.0

Employment Status by Major Discipline for Associate Degree Recipients for All Institutions in Pennsylvania, 1981

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Arts and Science Transfers	1,416	242 (17.1)	13 (0.9)	187 (13.2)	14 (1.0)	30 (2.1)	53 (3.7)	877 (61.9)
Business and Commerce Technologies	2,934	1,707 (58.2)	202 (6.9)	209 (7.1)	15 (.5)	135 (4.6)	236 (8.0)	430 (14.7)
Data Processing Technologies	639	359 (56.2)	39 (6.1)	52 (8.1)	1 (.2)	32 (5.0)	73 (11.4)	83 (13.0)
Health Services and Para-Medical Technologies	1,712	1,342 (78.4)	87 (5.1)	23 (1.3)	4 (.2)	76 (4.4)	46 (2.7)	134 (7.8)
Mechanical and Engineering Technologies	2,676	1,294 (48.4)	638 (23.8)	157 (5.9)	54 (2.0)	33 (1.2)	210 (7.8)	290 (10.8)
Natural Science Technologies	202	100 (49.5)	11 (5.4)	33 (16.3)	2 (1.0)	15 (7.4)	12 (5.9)	29 (14.4)
Public Service Related Technologies	414	145 (35.0)	6 (1.4)	77 (18.6)	2 (.5)	33 (8.0)	30 (7.2)	121 (29.2)
TOTAL	9,993	5,189 (51.9)	996 (10.0)	738 (7.4)	92 (0.9)	354 (3.5)	660 (6.6)	1,964 (19.7)

Table 20.1

Results for Associate Degree Graduates

Year	Responding Graduates	Full Time	Part Time	Un-employed	Advanced Degree	Full-Time Employed: Employed in Field Prepared	Full-Time Employed: Employed in Pa.
		%	%	%	%	%	%
1977	8,589	63.0	4.5	4.9	27.6	87.2	84.2
1978	9,128	68.5	3.5	6.1	21.9	85.7	86.9
1979	8,860	71.7	2.2	4.2	21.9	87.0	84.6
1980	8,853	68.1	3.8	5.9	22.1	87.9	87.4
1981	9,993	70.2	3.5	6.6	19.7	88.2	84.5

Full-Time Employment for Associate Degree Graduates

In Table 21.0 below the employment success of associate degree graduates in 1981 in each major discipline is ranked from high to low. As can be seen in Table 21.0, four of the seven disciplines tended to have 79 to 80 percent of their graduates in full-time employment while the other three were substantially lower, i.e., arts and science technologies, 27 percent; public service related technologies, 60.3 percent; and natural science technologies, 66.5 percent. Table 21.1, on page 34, however, indicates that all of these technologies had a rate of full employment of 79 percent or better when those going on for advanced work were excluded.

Table 21.0

Percentage of Associate Degree Graduates with Full-Time Employment

Major Discipline	Percent 1980	Percent 1981	Rank 1980	Rank 1981
Health Services and Para-Medical Technologies	81.3	85.0	1	1
Mechanical and Engineering Technologies	78.9	80.1	2	2
Business and Engineering Technologies	78.7	72.7	3.5	3
Natural Science Technologies	66.5	72.2	5	4
Data Processing Technologies	78.7	70.6	3.5	5
Public Service Related Technologies	60.3	55.5	6	6
Arts and Science Transfers	27.0	32.2	7	7

Percentage Changes in Full-Time Employment, Associate Degree Level, 1980-81

	Percent Increase		Percent Decrease
Natural Science Technology	5.7	Data Processing Technology	-8.1
Arts and Science Transfers	5.2	Business and Commerce Technologies	-6.0
Health Services and Para-Medical Technologies	3.7	Public Service Related Technologies	-4.8
Mechanical and Engineering Technologies	1.2		

Table 21.1

Percentage of Associate Degree Graduates in the Labor Market with Full-Time Employment*

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Health Services and Para-Medical Technologies	90.0	92.3	2	1
Mechanical and Engineering Technologies	92.1	8[illegible]	1	2
Business and Commerce Technologies	89.2	85.2	3	3
Arts and Science Transfers	75.2	84.6	7	4
Natural Science Technologies	81.7	84.4	5	5
Data Processing Technologies	85.5	81.1	4	6
Public Service Related Technologies	79.8	78.8	7	7

*Excludes those pursuing advanced degrees.

Associate Degree Graduates Employed in Their Field of Preparation

Table 22 shows the percentage of 1980 and 1981 fully-employed associate degree graduates who found positions in their field of preparation.

Table 22

Percentage of Full-Time Employed Associate Degree Graduates Employed in Their Field of Preparation

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Health Services and Para-Medical Technologies	96.9	98.1	1	1
Mechanical and Engineering Technologies	88.6	90.2	3.5	2
Business and Commerce Technologies	88.6	89.5	3.5	3
Data Processing Technologies	91.8	88.2	2	4
Natural Science Technologies	77.6	76.0	6	5
Public Service Related Technologies	79.5	65.7	5	6
Arts and Science Transfers	60.3	55.9	7	7

Increases and decreases in associate level graduate employment in the field of preparation between 1980 and 1981 are as follows:

Percentage Change in Employment
in Field of Preparation

	Percent Increase		Percent Decrease
Mechanical and Engineering Technologies	1.6	Public Service Related Technologies	-13.8
Health Services and Para-Medical Technologies	1.2	Arts and Science Transfers	- 4.4
		Data Processing Technologies	- 3.6
Business and Commerce Technologies	0.9	Natural Science Technologies	- 1.6

Associate Degree Graduates Employed in Pennsylvania

Table 23 contains the percentage and rank of all categories of employed associate degree graduates employed in Pennsylvania in 1980 and 1981. This table shows increased employment in Pennsylvania for graduates in all major disciplines except mechanical and engineering technologies and business and commerce technologies.

Table 23

Percentage of Full-time Employed Associate
Degree Graduates Employed in Pennsylvania

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Public Service Related Technologies	94.1	96.5	2	1
Arts and Science Transfers	94.2	94.1	1	2
Health Services and Para-Medical Technologies	91.0	93.8	3	3
Data Processing Technologies	83.8	91.1	6	4.5
Natural Science Technologies	85.7	91.1	5	4.5
Business and Commerce Technologies	90.1	89.4	4	6
Mechanical and Engineering Technologies	77.1	67.7	7	7

The list below shows the changes in the percentage of associate degree graduates employed in Pennsylvania over the one-year period between 1980 and 1981.

Changes in Associate Level Employment in Pennsylvania, 1980-81

	Percent Increase		Percent Decrease
Data Processing Technologies	7.3	Mechanical and Entineering	-9.4
Natural Science Technology	5.4	Business and Commerce	-0.7
Health Services and Para-Medical Technologies	2.8	Technologies	
		Arts and Science Transfers	-0.1
Public Service Related Technologies	2.4		

Associate Degree Graduates Pursuing Advanced Degrees

Table 24, below ranks the percentage of associate degree graduates who in 1980 and 1981 went on to pursue an advanced degree.

Table 24

Percentage of Associate Degree Graduates Pursuing Advanced Degrees, Ranked by Major Discipline, 1981

Major Discipline	Percent		Rank	
	1980	1981	1980	1981
Arts and Science Transfers	64.1	61.9	1	1
Public Service Related Technologies	24.3	29.2	2	2
Business and Commerce Technologies	11.8	14.7	5	3
Natural Science Technologies	18.6	14.4	3	4
Data Processing Technologies	9.1	13.0	6	5
Mechanical and Engineering Technologies	14.3	10.8	4	6
Health Service and Para-Medical Technologies	8.7	7.8	7	7

Listed below are the changes in the percentage of associate degree graduates pursuing advanced degrees shortly after their graduation in 1980 and 1981.

Changes in Associate Degree Graduates Pursuing an Advanced Degree, 1980-81

	Percent Increase		Percent Decrease
Public Service Related Technologies	4.9	Natural Science Technology	-4.2
Data Processing Technologies	3.9	Mechanical and Engineering Technologies	-3.5
Business and Commerce Technologies	2.9	Arts and Science Transfers	-2.2
		Health Service and Para-Medical Technologies	-0.9

SUMMARY OF RESULTS

1. Full-time employment between 1980 and 1981 decreased for the baccalaureate and master's degree graduates, i.e., -2.7 percent and -2.9 percent respectively.

2. Full-time employment between 1980 and 1981 increased for all other degree levels, i.e., 2.1 percent for associate degree graduates, 1.3 percent for doctorates and 1.2 percent for first professional degree graduates.

3. An average of 84.6 percent of full-time employed respondents (all degree levels combined) reported being employed in their field of preparation in 1981 compared to 84.1 percent in 1980.

4. In 1981 an average of 69.3 percent of full-time employed respondents (all degree levels combined) reported being employed in Pennsylvania compared to 70.3 percent in 1980.

5. Employment in the field for which they were prepared was substantially higher for doctoral, and first professional graduates (95.3 and 99.5 percent, respectively) than for the associate and baccalaureate and master's degree holder (88.2, 81.2, and 89.3 percent respectively).

6. Full-time employment in Pennsylvania varied widely from one degree level to another with the associate degree holder's having the highest proportion of Pennsylvania employment (84.5 percent) and the doctoral and first professional degree holder's having the lowest rate of Pennsylvania employment (41.3 and 54.9 percent, respectively).

7. Overall, 66.1 percent of the bachelor's degree holders were employed in Pennsylvania and 81.2 percent held positions related to their discipline.

8. At the master's, doctoral and first professional levels the proportion with full-time employment remained high (81.2, 91.7, and 96.1 percent, respectively) with the associate degree, bachelor's and master's degree holders relatively lower overall (70.2, 67.6, and 81.2 percent, respectively).

9. When the major disciplines are ranked according to the percentage of bachelor's graduates in each major discipline with full-time employment, the top 12 disciplines which rank high for employment rank low for those pursuing advanced degrees. These 12 disciplines tend to prepare students for bachelor's degree entry level jobs. Conversely, the 11 remaining disciplines, which rank low for initial employment and high for those pursuing advanced degrees, include some occupations for which master's or higher degrees are considered necessary. The net effect is that both groups averaged the same unemployment rate over the past seven years.

DISCUSSION

Several questions are raised by the fact that the major disciplines ranking low for initial employment also tend to rank high in the proportion of graduates pursuing advanced degrees: (1) What percentage of these graduates are pursuing additional degree requirements needed to advance their professional preparation? (2) What percentage may be retreating from a sluggish job market in their fields? (3) Do the graduates have sufficient skills in seeking employment? (4) Do they institute their search for employment sufficiently early?

This report indicates Pennsylvania's higher education programs are still generally relevant to postgraduation pursuits over a broad spectrum of occupations and degree levels. The findings for the graduates of 1982 may, however, be less favorable in terms of full-time employment and unemployment due to the current recession.

APPENDIX

The tables in the appendix supplement those in the text. The 25.0 table series give the survey response data for graduates in each major discipline, degree level and category of institution. Table series 26.0 through 29.0 give postgraduation employment status data for graduates in each major discipline, degree level and institutional type. Postgraduation information is given by degree field and institutional category for bachelor's, master's, doctoral, and associate degree graduates in series 30.0 through 33.0.

Table 25.0

Number of Returns Received from Four-Degree Levels of Graduates Compared With the Number of Graduates for All Institutions by Major Discipline, 1981

Major Discipline	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns
Agriculture and Natural Resources	933	662 (71.0)	835	634 (75.9)	79	25 (31.6)	19	3 (15.8)	-	- -
Architecture and Environmental Design	506	130 (25.7)	297	114 (38.4)	204	16 (7.8)	5	- -	-	- -
Area Studies	187	42 (22.5)	132	31 (23.5)	43	8 (18.6)	12	3 (25.0)	-	- -
Biological Sciences	3,224	1,884 (58.4)	2,853	1,756 (61.5)	239	87 (36.4)	132	41 (31.1)	-	- -
Business and Management	14,746	7,743 (52.5)	11,779	7,107 (60.3)	2,905	621 (21.4)	62	15 (24.2)	-	- -
Communications	1,536	955 (62.2)	1,424	918 (64.5)	107	37 (34.6)	5	- -	-	- -
Computer and Information Sciences	1,250	778 (62.2)	1,007	713 (70.8)	218	56 (25.7)	25	9 (36.0)	-	- -
Education	10,658	5,992 (56.2)	5,989	4,528 (75.6)	4,184	1,351 (32.3)	485	113 (23.3)	-	- -
Engineering	5,760	3,155 (54.8)	4,748	2,839 (59.8)	874	275 (31.5)	138	41 (29.7)	-	- -
Fine and Applied Arts	2,334	1,009 (43.2)	2,041	925 (45.3)	274	83 (30.3)	19	1 (5.3)	-	- -
Foreign Languages	724	333 (46.0)	608	320 (52.6)	87	7 (8.0)	29	6 (20.7)	-	- -
Health Professions	6,666	4,188 (62.8)	3,822	2,452 (64.2)	693	71 (10.2)	55	10 (18.2)	2,096	1,655 (79.0)
Home Economics	1,138	605 (53.2)	1,028	587 (57.1)	87	11 (12.6)	23	7 (30.4)	-	- -
Law	1,456	647 (44.4)	54	14 (25.9)	106	104 (98.1)	-	- -	1,296	529 (40.8)
Letters	3,289	1,329 (40.4)	2,724	1,214 (44.6)	441	86 (19.5)	124	29 (23.4)	-	- -
Library Science	325	77 (23.7)	38	48 (126.3)**	276	29 (10.5)	11	- -	-	- -
Mathematics	835	490 (58.7)	703	437 (62.0)	106	44 (41.5)	26	10 (38.5)	-	- -
Physical Sciences	2,331	1,282 (55.0)	1,924	1,177 (61.2)	240	74 (30.8)	167	31 (18.6)	-	- -
Psychology	2,825	1,426 (50.5)	2,407	1,308 (54.3)	338	91 (26.9)	80	27 (33.8)	-	- -
Public Affairs and Services	3,747	1,815 (48.4)	2,552	1,518 (59.5)	1,152	293 (25.4)	43	4 (9.3)	-	- -
Social Sciences	6,453	2,845 (44.1)	5,905	2,741 (46.4)	394	80 (20.3)	154	24 (15.6)	-	- -
Theology*	971	171 (17.6)	353	150 (42.5)	175	21 (12.0)	44	- -	399	- -
Interdisciplinary Studies	1,509	445 (29.5)	1,366	411 (30.1)	134	33 (24.6)	9	1 (11.1)	-	- -
TOTAL	73,403	38,003 (51.8)	54,589	31,941 (58.5)	13,356	3,503 (26.2)	1,667	375 (22.5)	3,791	2,184 (57.6)

*Does not include graduates of theological seminaries which were not included in this survey.

**More than 100 percent response indicates a lack of clarity of some respondents as to the exact HEGIS field in which they were graduated.

Figures in parenthesis represent percentage values.

Table 25.1

Number of Returns Received from Graduates at Four-Degree Levels as Compared with the Number of Graduates for all Institutions Within Institutional Category in Pennsylvania, 1981

Institutional Category	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
	No. of Grads.	No. of Returns**	No. of Grads.	NO. of Returns**	No. of Grads.	No. of Returns**	No. of Grads.	NO. of Returns**	No. of Grads.	No. of Returns**
Private Colleges and Universities	27,205	16,092 (58.5)	22,963	14,738 (64.2)	3,670	1,087 (29.6)	222	115 (51.8)	647	152 (23.5)
State Colleges & Universities	14,366	9,709 (67.6)	12,020	8,626 (71.8)	2,325	1,071 (46.1)	21	12 (57.1)	-	- -
State-Aided	9,146	2,682 (29.3)	4,830	1,247 (25.8)	2,315	86 (3.7)	389	38 (9.8)	1,612	1,311 (81.3)
State-Related	21,818	9,520 (43.6)	14,758	7,330 (49.7)	4,855	1,259 (25.9)	991	210 (21.2)	1,214	721 (59.4)
TOTAL	72,832	38,003 (52.2)	54,571	31,941 (58.5)	13,165	3,503 (26.6)	1,623	375 (23.1)	3,473	2,184 (62.9)

*This column excludes 571 degrees conferred in 1981 by theological seminaries.
**Figures in parenthesis represent percentage values.

Table 25.2

Number of Returns Received for Associate Degree Graduates Compared with the Number of Graduates for All Such Institutions by Major Discipline, 1981

Major Disciplines	Associate Degrees Awarded in Pennsylvania, 1980	Number of Returns	Percent of Returns
Arts and Science Transfers	3,165	1,416	44.7
Business and Commerce Technologies	5,195	2,934	56.5
Data Processing Technologies	1,267	639	50.4
Health Services and Para-Medical Technologies	2,162	1,712	79.2
Mechanical and Engineering Technologies	3,510	2,676	76.2
Natural Science Technologies	257	202	78.6
Public Service Related Technologies	744	414	55.6
TOTAL	16,300	9,993	61.3

*The degree's awarded figures of this table do not include junior colleges, but do include degrees from nonparticipating institutions.

Table 25.3

Number of Returns Received for Associate Degree Graduates Compared with the Number of Graduates for All Such Institutions by Institutional Category, 1981

Major Disciplines	Associate Degrees Awarded in Pennsylvania, 1980	Number of Returns	Percent of Returns
Colleges and Universities	3,415	1,867	54.7
Community Colleges	7,891	5,031	63.8
Proprietary Institutions	4,994	3,095	62.0
TOTAL	16,300	9,993	61.3

*This table does not include junior college degrees awarded but does include data from other nonparticipating institutions.

Table 26.0

Employment Status by Major Discipline for Baccalaureate Degree Recipients in the State Colleges and University in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	33	8 (24.2)	2 (6.1)	4 (12.1)	3 (9.1)	4 (12.1)	7 (21.2)	5 (15.2)
Architecture and Environmental Design	6	3 (50.0)	2 (33.3)	- -	- -	- -	- -	1 (16.7)
Area Studies	-	- -	- -	- -	- -	- -	- -	- -
Biological Sciences	276	83 (30.1)	24 (8.7)	21 (7.6)	6 (2.2)	12 (4.3)	28 (10.1)	102 (37.0)
Business and Management	1,737	933 (53.7)	321 (18.5)	99 (5.7)	27 (1.6)	57 (3.3)	230 (13.2)	70 (4.0)
Communications	301	125 (41.5)	35 (11.6)	49 (16.3)	10 (3.3)	17 (5.6)	53 (17.6)	12 (4.0)
Computer and Information Sciences	280	159 (56.8)	82 (29.3)	6 (2.1)	1 (.4)	3 (1.1)	23 (8.2)	6 (2.1)
Education	3,012	1,075 (35.7)	553 (18.4)	417 (13.8)	83 (2.8)	354 (11.8)	250 (8.3)	280 (9.3)
Fine and Applied Arts	215	51 (23.7)	21 (9.8)	39 (18.1)	11 (5.1)	21 (9.8)	27 (12.6)	45 (20.9)
Foreign Languages	66	9 (13.6)	8 (12.1)	12 (18.2)	5 (7.6)	6 (9.1)	12 (18.2)	14 (21.2)
Health Professions	532	410 (77.1)	80 (15.0)	5 (.9)	5 (.9)	5 (.9)	7 (1.3)	20 (3.8)
Home Economics	215	117 (54.4)	42 (19.5)	6 (2.8)	- -	5 (2.3)	19 (8.8)	26 (12.1)
Interdisciplinary Studies	49	11 (22.4)	3 (6.1)	11 (22.4)	4 (8.2)	1 (2.0)	9 (18.4)	10 (20.4)
Letters	171	38 (22.2)	11 (6.4)	46 (26.9)	6 (3.5)	14 (8.2)	28 (16.4)	28 (16.4)
Library Science	48	14 (29.2)	10 (20.8)	7 (14.6)	2 (4.2)	2 (4.2)	7 (14.6)	6 (12.5)
Mathematics	96	33 (34.4)	17 (17.7)	13 (13.5)	6 (6.3)	5 (5.2)	9 (9.4)	13 (13.5)
Physical Sciences	199	47 (23.6)	49 (24.6)	15 (7.5)	7 (3.5)	1 (.5)	29 (14.6)	51 (25.6)
Psychology	276	64 (23.2)	12 (4.3)	53 (19.2)	9 (3.3)	19 (6.9)	47 (17.0)	72 (26.1)
Public Affairs and Services	525	200 (38.1)	79 (15.0)	77 (14.7)	23 (4.4)	36 (6.9)	78 (14.9)	32 (6.1)
Social Sciences	589	167 (28.4)	66 (11.2)	111 (18.8)	28 (4.8)	29 (4.9)	78 (13.2)	110 (18.7)
TOTAL	8,626	3,547 (41.1)	1,417 (16.4)	991 (11.5)	236 (2.7)	591 (6.9)	941 (10.9)	903 (10.5)

Figures in parenthesis represent percentage values.

Table 26.1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	384	107 (27.9)	56 (14.6)	40 (10.4)	16 (4.2)	21 (5.5)	80 (20.8)	64 (16.7)
Architecture and Environmental Design	61	17 (27.9)	7 (11.5)	5 (8.2)	1 (1.6)	3 (4.9)	10 (16.4)	18 (29.5)
Area Studies	2	- -	- -	1 (50.0)	- -	- -	1 (50.0)	- -
Biological Sciences	304	72 (23.7)	28 (9.2)	20 (6.6)	13 (4.3)	9 (3.0)	38 (12.5)	124 (40.8)
Business and Management	1,278	557 (43.6)	232 (18.2)	142 (11.1)	36 (2.8)	49 (3.8)	193 (15.1)	69 (5.4)
Communications	288	98 (34.0)	37 (12.8)	46 (16.0)	9 (3.1)	45 (15.6)	39 (13.5)	14 (4.9)
Computer and Information Sciences	205	91 (44.4)	73 (35.6)	4 (2.0)	1 (.5)	1 (.5)	20 (9.8)	15 (7.3)
Education	622	213 (34.2)	43 (6.9)	78 (12.5)	23 (3.7)	102 (16.4)	78 (12.5)	85 (13.7)
Engineering	1,306	532 (40.7)	572 (43.8)	25 (1.9)	22 (1.7)	5 (.4)	48 (3.7)	102 (7.8)
Fine and Applied Arts	131	25 (19.1)	17 (13.0)	14 (10.7)	7 (5.3)	26 (19.8)	17 (13.0)	25 (19.1)
Foreign Languages	41	4 (9.8)	4 (9.8)	5 (12.2)	5 (12.2)	3 (7.3)	10 (24.4)	10 (24.4)
Health Professions	449	282 (62.8)	57 (12.7)	17 (3.8)	4 (.9)	15 (3.3)	42 (9.4)	32 (7.1)
Home Economics	258	81 (31.4)	54 (20.9)	27 (10.5)	14 (5.4)	18 (7.0)	34 (13.2)	30 (11.6)
Interdisciplinary Studies	164	31 (18.9)	18 (11.0)	30 (18.3)	9 (5.5)	14 (8.5)	30 (18.3)	32 (19.5)
Law	3	- -	- -	- -	- -	- -	- -	3 (100.0)
Letters	319	51 (16.0)	18 (5.6)	65 (20.4)	25 (7.8)	35 (11.0)	71 (22.3)	54 (16.9)
Mathematics	63	15 (23.8)	16 (25.4)	2 (3.2)	2 (3.2)	3 (4.8)	7 (11.1)	18 (28.6)
Physical Sciences	313	55 (17.6)	74 (23.6)	15 (4.8)	10 (3.2)	13 (4.2)	53 (16.9)	93 (29.7)
Psychology	230	31 (13.5)	8 (3.5)	45 (19.6)	14 (6.1)	25 (10.9)	36 (15.7)	71 (30.9)
Public Affairs and Services	413	125 (30.3)	24 (5.8)	67 (16.2)	14 (3.4)	39 (9.4)	78 (18.9)	66 (16.0)
Social Sciences	496	75 (15.1)	28 (5.6)	98 (19.8)	29 (5.8)	44 (8.9)	93 (18.8)	129 (26.0)
TOTAL	7,330	2,462 (33.6)	1,366 (18.6)	746 (10.2)	254 (3.5)	470 (6.4)	978 (13.3)	1,054 (14.4)

Figures in parenthesis represent percentage values.

Table 26.2

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Aided Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	204	91 (44.6)	59 (29.4)	7 (3.4)	12 (5.9)	-	20 (9.8)	14 (6.9)
Architecture and Environmental Design	7	3 (42.9)	4 (57.1)	- -	- -	- -	- -	- -
Biological Sciences	41	15 (36.6)	6 (14.6)	2 (4.9)	1 (2.4)	-	2 (4.9)	15 (36.6)
Business and Management	416	240 (57.7)	121 (29.1)	3 (.7)	3 (.7)	2 (.5)	3 (6.7)	19 (4.6)
Communications	2	- -	2 (100.0)	- -	- -	- -	- -	- -
Computer and Information Sciences	21	12 (57.1)	7 (48.6)	- -	- -	- -	1 (4.8)	1 (4.8)
Engineering	247	114 (46.2)	120 (48.6)	- -	- -	- -	4 (1.6)	9 (3.6)
Fine and Applied Arts	83	31 (37.3)	28 (33.7)	1 (1.2)	- -	- -	8 (9.6)	15 (18.1)
Health Professions	192	146 (76.0)	20 (10.4)	- -	- -	1 (.5)	6 (3.1)	19 (9.9)
Home Economics	6	4 (66.7)	2 (33.3)	- -	- -	- -	- -	- -
Mathematics	11	7 (63.6)	4 (36.4)	- -	- -	- -	- -	- -
Physical Sciences	17	4 (23.5)	4 (23.5)	- -	- -	- -	2 (11.8)	7 (18.1)
TOTAL	1,247	667 (53.5)	378 (30.3)	13 (1.1)	16 (0.2)	3 (0.2)	71 (5.7)	99 (7.9)

Figures in parenthesis represent percentage values.

Table 26.3

Employment Status by Major Discipline for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	13	4 (30.8)	1 (7.7)	- -	1 (7.7)	- -	- -	7 (53.8)
Architecture and Environmental Design	40	12 (30.0)	15 (37.5)	- -	2 (5.0)	- -	5 (12.5)	6 (15.0)
Area Studies	29	3 (10.3)	1 (3.4)	4 (13.8)	8 (27.6)	1 (3.4)	3 (10.3)	9 (31.0)
Biological Sciences	1,135	169 (14.9)	92 (8.1)	55 (4.8)	45 (4.0)	34 (3.0)	86 (7.6)	654 (57.6)
Business and Management	3,676	1,591 (43.3)	775 (21.1)	163 (4.4)	76 (2.1)	104 (2.8)	681 (18.5)	286 (7.8)
Communications	327	78 (23.9)	39 (11.9)	74 (22.6)	23 (7.0)	14 (4.3)	59 (18.0)	40 (12.2)
Computer and Information Sciences	207	104 (50.2)	58 (28.0)	5 (2.4)	- -	4 (1.9)	31 (15.0)	5 (2.4)
Education	894	382 (42.7)	146 (16.3)	82 (9.2)	32 (3.6)	63 (7.0)	110 (12.3)	79 (8.8)
Engineering	1,286	390 (30.3)	695 (54.0)	- -	15 (1.2)	- -	65 (5.1)	121 (9.4)
Fine and Applied Arts	496	127 (25.6)	93 (18.8)	59 (11.9)	51 (10.3)	31 (6.3)	42 (8.5)	93 (18.8)
Foreign Languages	213	19 (8.9)	27 (12.7)	28 (13.1)	48 (22.5)	9 (4.2)	43 (20.2)	39 (18.3)
Health Professions	1,279	882 (69.0)	240 (18.8)	8 (.6)	3 (.2)	11 (.9)	28 (2.2)	107 (8.4)
Home Economics	108	53 (49.1)	23 (21.3)	7 (6.5)	1 (.9)	6 (5.6)	11 (10.2)	7 (6.5)
Interdisciplinary Studies	198	54 (27.3)	25 (12.6)	19 (9.6)	18 (9.1)	9 (4.5)	18 (9.1)	55 (27.8)
Law	11	- -	- -	- -	2 (18.2)	- -	- -	9 (81.8)
Letters	724	101 (14.0)	121 (16.7)	89 (12.3)	79 (10.9)	30 (4.1)	105 (14.5)	199 (27.5)
Library Sciences	-	- -	- -	- -	- -	- -	- -	- -
Mathematics	266	91 (34.2)	83 (31.2)	11 (4.1)	9 (3.4)	- -	25 (9.4)	47 (17.7)
Physical Sciences	648	104 (16.0)	105 (16.2)	10 (1.5)	9 (1.4)	8 (1.2)	37 (5.7)	375 (57.9)
Psychology	802	159 (19.8)	73 (9.1)	114 (14.2)	74 (9.2)	43 (5.4)	108 (13.5)	231 (28.8)
Public Affairs and Services	580	188 (32.4)	67 (11.6)	78 (13.4)	33 (5.7)	25 (4.3)	74 (12.8)	115 (19.8)
Social Sciences	1,656	263 (15.9)	185 (11.2)	202 (12.2)	207 (12.5)	40 (2.4)	216 (13.0)	543 (32.8)
Theology	150	19 (12.7)	29 (19.3)	45 (30.0)	10 (6.7)	3 (2.0)	5 (3.3)	39 (26.0)
TOTAL	14,738	4,793 (32.5)	2,893 (19.6)	1,053 (7.1)	746 (5.1)	435 (3.0)	1,752 (11.9)	3,066 (20.8)

Figures in parenthesis represent percentage values.

Table 27.0

Employment Status by Major Discipline for Master's Degree Recipients for the State Colleges and University in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Biological Sciences	16	8 (50.0)	2 (12.5)	1 (6.3)	1 (6.3)	- -	1 (6.3)	3 (18.8)
Business and Management	67	43 (64.2)	10 (14.9)	6 (9.0)	2 (3.0)	1 (1.5)	3 (4.5)	2 (3.0)
Communications	25	8 (32.0)	7 (28.0)	5 (20.0)	- -		5 (20.0)	- -
Education	754	506 (67.1)	92 (12.2)	85 (11.3)	7 (.9)	23 (3.1)	33 (4.4)	8 (1.1)
Fine and Applied Arts	18	11 (61.1)	6 (33.3)	- -	- -	1 (5.6)	- -	- -
Foreign Languages	3	- -	2 (66.7)	- -	1 (33.3)	- -	- -	- -
Health Professions	16	14 (87.5)	2 (12.5)	- -	- -	- -	- -	- -
Home Economics	2	2 (100.0)	- -	- -	- -	- -	- -	- -
Interdisciplinary Studies	3	1 (33.3)	- -	- -	- -	- -	- -	2 (66.7)
Letters	18	8 (44.4)	3 (16.7)	3 (16.7)	- -	- -	2 (11.1)	2 (11.1)
Library Science	13	7 (53.8)	4 (30.8)	- -	- -	1 (7.7)	1 (7.7)	- -
Mathematics	12	10 (83.3)	2 (16.7)	- -	- -	- -	- -	- -
Physical Sciences	12	8 (66.7)	2 (16.7)	1 (8.3)	- -	- -	- -	1 (8.3)
Psychology	52	29 (55.8)	13 (25.0)	5 (9.6)	- -	- -	2 (3.8)	3 (5.8)
Public Affairs and Services	27	13 (48.1)	5 (18.5)	3 (11.1)	3 (11.1)	- -	1 (3.7)	2 (7.4)
Social Sciences	33	19 (57.6)	2 (6.1)	4 (12.1)	2 (6.1)	- -	4 (12.1)	2 (6.1)
TOTAL	1,071	687 (64.1)	152 (14.2)	113 (10.6)	16 (1.5)	26 (2.4)	52 (4.9)	25 (2.3)

Figures in parenthesis represent percentage values.

Table 27.1

Employment Status by Major Discipline for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	25	2 (8.0)	7 (28.0)	2 (8.0)	1 (4.0)	- -	4 (16.0)	9 (36.0)
Architecture and Environmental Design	8	6 (75.0)	1 (12.5)	- -	- -	- -	1 (12.5)	- -
Area Studies	8	3 (37.5)	1 (12.5)	- -	- -	- -	4 (50.0)	- -
Biological Sciences	24	3 (12.5)	4 (16.7)	1 (4.2)	- -	- -	1 (4.2)	15 (62.5)
Business and Management	206	101 (49.0)	64 (31.1)	17 (8.3)	4 (1.9)	- -	13 (6.3)	7 (3.4)
Communications	12	7 (58.3)	2 (16.7)	1 (8.3)	- -	- -	1 (8.3)	1 (8.3)
Computer and Information Sciences	46	20 (43.5)	11 (23.9)	1 (2.2)	1 (2.2)	- -	7 (15.2)	6 (13.0)
Education	380	212 (55.8)	57 (15.0)	21 (5.5)	3 (.8)	25 (6.6)	36 (9.5)	26 (6.8)
Engineering	160	102 (63.7)	27 (16.9)	2 (1.2)	- -	1 (.6)	3 (1.9)	25 (15.6)
Fine and Applied Arts	24	6 (25.0)	5 (20.8)	2 (8.3)	- -	7 (29.2)	3 (12.5)	1 (4.2)
Foreign Languages	4	2 (50.0)	- -	- -	- -	1 (25.0)	1 (25.0)	- -
Health Professions	32	22 (68.8)	8 (25.0)	- -	- -	1 (3.1)	- -	1 (3.1)
Home Economics	9	2 (22.2)	1 (11.1)	- -	- -	1 (11.1)	3 (33.3)	2 (22.2)
Interdisciplinary Studies	30	19 (63.3)	4 (13.3)	5 (16.7)	- -	- -	1 (3.3)	1 (3.3)
Letters	22	4 (18.2)	1 (4.5)	1 (4.5)	1 (4.5)	3 (13.6)	3 (13.6)	9 (40.9)
Library Science	16	4 (25.0)	3 (18.8)	- -	- -	- -	9 (56.3)	- -
Mathematics	18	7 (38.9)	4 (22.2)	- -	1 (5.6)	- -	3 (16.7)	3 (16.7)
Physical Sciences	40	4 (10.0)	22 (55.0)	- -	2 (5.0)	1 (2.5)	1 (2.5)	10 (25.0)
Psychology	19	7 (36.8)	2 (10.5)	1 (5.3)	- -	- -	2 (10.5)	7 (36.8)
Public Affairs and Services	153	83 (54.2)	23 (15.0)	9 (5.9)	11 (7.2)	8 (5.2)	15 (9.8)	4 (2.6)
Social Sciences	23	2 (8.7)	4 (17.4)	2 (8.7)	- -	1 (4.3)	3 (13.0)	11 (47.8)
TOTAL	1,259	618 (49.1)	251 (19.9)	65 (5.2)	24 (1.9)	49 (3.9)	114 (9.0)	138 (11.0)

Figures in parenthesis represent percentage values.

Table 27.2

Employment Status by Major Discipline for Master's Degree Recipients for Private Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Architecture and Environmental Design	8	4 (50.0)	3 (37.5)	- -	- -	- -	- -	1 (12.5)
Biological Sciences	10	4 (40.0)	2 (20.0)	- -	2 (20.2)	- -	- -	2 (20.0)
Business and Management	348	160 (46.0)	111 (31.9)	25 (7.2)	10 (2.9)	7 (2.0)	17 (4.9)	18 (5.2)
Computer and Information Sciences	10	1 (10.0)	1 (10.0)	- -	- -	- -	- -	8 (80.0)
Education	217	94 (43.3)	58 (26.7)	14 (6.5)	11 (5.1)	11 (5.1)	6 (2.8)	23 (10.6)
Engineering	115	33 (28.7)	52 (45.2)	- -	- -	- -	2 (1.7)	28 (24.3)
Fine and Applied Arts	40	16 (40.0)	12 (30.0)	2 (5.0)	3 (7.5)	- -	4 (10.0)	3 (7.5)
Health Professions	11	7 (63.6)	4 (36.4)	- -	- -	- -	- -	- -
Law	104	24 (23.1)	68 (65.4)	- -	- -	- -	- -	12 (11.5)
Letters	46	16 (34.8)	3 (6.5)	- -	2 (4.3)	6 (13.0)	2 (4.3)	17 (37.0)
Library Science	-	- -	- -	- -	- -	- -	- -	- -
Mathematics	14	1 (7.1)	1 (7.1)	- -	- -	- -	- -	12 (85.7)
Physical Sciences	22	4 (18.2)	1 (4.5)	2 (9.1)	- -	- -	- -	15 (68.2)
Psychology	20	- -	- -	- -	3 (15.0)	- -	2 (10.0)	15 (75.0)
Public Affairs and Services	77	33 (42.9)	22 (28.6)	3 (3.9)	1 (1.3)	3 (3.9)	4 (5.2)	11 (14.3)
Social Sciences	24	8 (33.3)	8 (33.3)	- -	1 (4.2)	- -	3 (12.5)	4 (16.7)
Theology	21	7 (33.3)	7 (33.3)	5 (23.8)	1 (4.8)	- -	- -	1 (4.8)
TOTAL	1,087	412 (37.9)	353 (32.5)	51 (4.7)	34 (3.1)	27 (2.5)	40 (3.7)	170 (15.6)

*Figures in parenthesis represent percentage values.

Table 27.3

Employment Status by Major Discipline for Master's Degree Recipients for State-Aided Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Biological Sciences	37	20	11	-	-	-	2	4
		(54.1)	(29.7)	-	-	-	(5.4)	(10.8)
Fine and Applied Arts	1	-	1	-	-	-	-	-
		-	(100.0)	-	-	-	-	-
Health Professions	12	7	4	-	-	1	-	-
		(58.3)	(33.8)	-	-	(8.3)	-	-
Public Affairs and Services	36	16	10	1	-	2	7	-
		(44.4)	(27.8)	(2.8)	-	(5.6)	(19.4)	-
TOTAL	86	43	26	1	-	3	9	4
		(50.0)	(30.2)	(1.2)	-	(3.5)	(10.5)	(4.6)

Figures in parenthesis represent percentage values.

Table 28.0

Employment Status by Major Discipline for Doctoral Degree Recipients for State-Related Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	3	- -	3 (100.0)	- -	- -	- -	- -	- -
Biological Sciences	10	2 (20.0)	6 (60.0)	- -	- -	- -	1 (10.0)	1 (10.0)
Business and Management	1	1 (100.0)	- -	- -	- -	- -	- -	- -
Communications	-	- -	- -	- -	- -	- -	- -	- -
Computer and Information Sciences	-	- -	- -	- -	- -	- -	- -	- -
Education	106	57 (53.8)	30 (28.3)	3 (2.8)	2 (1.9)	8 (7.5)	5 (4.7)	1 (.9)
Engineering	13	3 (23.1)	10 (76.9)	- -	- -	- -	- -	- -
Fine and Applied Arts	1	- -	- -	1 (100.0)	- -	- -	- -	- -
Foreign Languages	6	2 (33.3)	1 (16.7)	- -	1 (16.7)	- -	2 (33.3)	- -
Health Professions	3	- -	1 (33.3)	1 (33.3)	- -	- -	1 (33.3)	- -
Home Economics	7	1 (14.3)	5 (71.4)	- -	- -	- -	- -	1 (14.3)
Interdisciplinary Studies	1	- -	1 (100.0)	- -	- -	- -	- -	- -
Letters	12	2 (16.7)	7 (58.3)	1 (8.3)	1 (8.3)	- -	1 (8.3)	- -
Library Science	-	- -	- -	- -	- -	- -	- -	- -
Mathematics	-	- -	- -	- -	- -	- -	- -	- -
Physical Sciences	22	7 (31.8)	14 (63.6)	- -	- -	1 (4.5)	- -	- -
Psychology	11	7 (63.6)	3 (27.3)	- -	- -	1 (9.1)	- -	- -
Public Affairs and Services	1	- -	1 (100.0)	- -	- -	- -	- -	- -
Social Sciences	13	6 (46.2)	3 (23.1)	1 (7.7)	- -	3 (23.1)	- -	- -
TOTAL	210	88 (41.9)	85 (40.5)	7 (3.3)	4 (1.9)	13 (6.2)	10 (4.8)	3 (1.4)

Figures in parenthesis represent percentage values.

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Table 28.1

Employment Status by Major Discipline for Doctoral Degree Recipients in State Colleges and University in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Education	5	4	-	1	-	-	-	-
		(80.0)	-	(20.0)	-	-	-	-
Letters	7	3	4	-	-	-	-	-
		(42.9)	(57.1)	-	-	-	-	-
TOTAL	12	7	4	1	-	-	-	-
		(58.3)	(33.3)	(8.3)	-	-	-	-

Figures in parenthesis represent percentage values.

Table 28.2

Employment Status by Major Discipline for Doctoral Degree Recipients for Private Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Area Studies	3	1	1	-	1	-	-	-
		(33.3)	(33.3)	-	(33.3)	-	-	-
Biological Sciences	3	-	2	-	-	-	-	1
		-	(66.7)	-	-	-	-	(33.3)
Business and Management	14	1	13	-	-	-	-	-
		(7.1)	(92.9)	-	-	-	-	-
Computer and Information Sciences	9	-	9	-	-	-	-	-
		-	(100.0)	-	-	-	-	-
Education	2	-	1	1	-	-	-	-
		-	(50.0)	(50.0)	-	-	-	-
Engineering	28	6	22	-	-	-	-	-
		(21.4)	(78.6)	-	-	-	-	-
Health Professions	7	3	4	-	-	-	-	-
		(42.9)	(57.1)	-	-	-	-	-
Letters	10	3	6	-	1	-	-	-
		(30.0)	(60.0)	-	(10.0)	-	-	-
Mathematics	10	2	8	-	-	-	-	-
		(20.0)	(80.0)	-	-	-	-	-
Physical Sciences	9	4	5	-	-	-	-	-
		(44.4)	(55.6)	-	-	-	-	-
Psychology	6	2	4	-	-	-	-	-
		(33.3)	(66.7)	-	-	-	-	-
Public Affairs and Services	3	-	3	-	-	-	-	-
		-	(100.0)	-	-	-	-	-
Social Sciences	11	2	8	-	-	-	-	1
		(18.2)	(72.7)	-	-	-	-	(9.1)
TOTAL	115	24	86	1	2	-	-	2
		(20.9)	(74.8)	(0.9)	(1.7)	-	-	(1.7)

Figures in parenthesis represent percentage values.

Table 28.3

Employment Status by Major Discipline for Doctoral Degree
Recipients for State-Aided Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Biological Sciences	28	6	19	-	1	-	1	1
		(21.4)	(67.9)	-	(3.6)	-	(3.6)	(3.6)
Psychology	10	8	1	-	-	-	1	-
		(80.0)	(10.0)	-	-	-	(10.0)	-
TOTAL	38	14	20	-	1	-	2	1
		(36.9)	(52.6)	-	(2.6)	-	(5.3)	(2.6)

Figures in parenthesis represent percentage values.

Table 29.0

Employment Status by Major Discipline for Associate Degree
Recipients for Community Colleges in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Arts and Science Transfers	1,100	181	5	154	5	25	34	696
		(16.5)	(.5)	(14.0)	(.5)	(2.3)	(3.1)	(63.3)
Business and Commerce Technologies	1,297	668	31	133	4	98	101	262
		(51.5)	(2.4)	(10.3)	(.3)	(7.6)	(7.8)	(20.2)
Data Processing Technologies	355	192	2	39	-	19	45	58
		(54.1)	(.6)	(11.0)	-	(5.4)	(12.7)	(16.3)
Health Services and Para-Medical Technologies	1,128	924	23	15	-	62	35	69
		(81.9)	(2.0)	(1.3)	-	(5.5)	(3.1)	(6.1)
Mechanical and Engineering Technologies	663	367	53	79	1	19	40	104
		(55.4)	(8.0)	(11.9)	(.2)	(2.9)	(6.0)	(15.7)
Natural Science Technologies	139	82	8	24	1	5	4	15
		(59.0)	(5.8)	(17.3)	(.7)	(3.6)	(2.9)	(10.8)
Public Service Related Technologies	349	111	3	69	-	32	26	108
		(31.8)	(.9)	(19.8)	-	(9.2)	(7.4)	(30.9)
TOTAL	5,031	2,525	125	513	11	260	285	1,312
		(50.2)	(2.5)	(10.2)	(0.2)	(5.2)	(5.6)	(26.1)

Figures in parenthesis represent percentage values.

Table 29.1

Employment Status by Major Discipline for Associate Degree Recipients for Proprietary Institutions in Pennsylvania, 1981

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Business and Commerce Technologies	1,223	817 (66.8)	150 (12.3)	45 (3.7)	6 (.5)	23 (1.9)	97 (7.9)	85 (7.0)
Data Processing Technologies	215	136 (63.3)	30 (14.0)	9 (4.2)	- -	9 (4.2)	20 (9.3)	11 (5.1)
Health Services and Para-Medical Technologies	94	81 (86.2)	7 (7.4)	2 (2.1)	1 (1.1)	- -	1 (1.1)	2 (2.1)
Mechanical and Engineering Technologies	1,543	769 (49.8)	516 (33.4)	51 (3.3)	46 (3.0)	3 (.2)	124 (8.0)	34 (2.2)
Natural Science Technologies	3	3 (100.0)	- -	- -	- -	- -	- -	- -
Public Service Related Technologies	17	15 (88.2)	1 (5.9)	1 (5.9)	- -	- -	- -	- -
TOTAL	3,095	1,821 (58.8)	704 (22.8)	108 (3.5)	53 (1.7)	35 (1.1)	242 (7.8)	132 (4.3)

Figures in parenthesis represent percentage values.

Table 29.2

Employment Status by Major Discipline for Associate Degree Recipients for Four-Year Colleges and Universities, 1981

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Arts and Science Transfers	316	61 (19.3)	8 (2.5)	33 (10.4)	9 (2.8)	5 (1.6)	19 (6.0)	181 (57.3)
Business and Commerce Technologies	414	222 (53.6)	21 (5.1)	31 (7.5)	5 (1.2)	14 (3.4)	38 (9.2)	83 (20.0)
Data Processing Technologies	69	31 (44.9)	7 (10.1)	4 (5.8)	1 (1.4)	4 (5.8)	8 (11.6)	14 (20.3)
Health Services and Para-Medical Technologies	490	337 (68.8)	57 (11.6)	6 (1.2)	3 (.6)	14 (2.9)	10 (2.0)	63 (12.9)
Mechanical and Engineering Technologies	470	158 (33.6)	69 (14.7)	27 (5.7)	7 (1.5)	11 (2.3)	46 (9.8)	152 (32.3)
Natural Science Technologies	60	15 (25.0)	3 (5.0)	9 (15.0)	1 (1.7)	10 (16.7)	8 (13.3)	14 (23.3)
Public Service Related Technologies	48	19 (39.6)	2 (4.2)	7 (14.6)	2 (4.2)	1 (2.1)	4 (8.3)	13 (27.1)
TOTAL	1,867	843 (45.1)	167 (8.9)	117 (6.3)	28 (1.5)	59 (3.2)	133 (7.1)	520 (27.9)

Figures in parenthesis represent percentage values.

TABLE 30.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
AGRICULTURE AND NATURAL RESOURCES									
0101 AGRICULTURE, GENERAL	38	4	0	2	1	0	7	4	20
0102 AGRONOMY	64	18	14	3	2	1	4	11	11
0104 ANIMAL SCIENCE	146	28	17	3	7	3	21	20	47
0105 DAIRY SCIENCE	36	23	2	0	0	0	2	0	9
0106 POULTRY SCIENCE	4	3	0	0	0	0	0	1	0
0108 HORTICULTURE	119	30	18	4	3	4	13	6	41
0109 ORNAMENTAL HORTICULTURE	87	39	26	4	6	0	7	3	2
0111 AGRICULTURAL ECONOMICS	19	4	1	1	0	3	3	2	5
0112 AGRICULTURAL BUSINESS	63	12	3	11	3	1	6	2	25
0113 FOOD SCIENCE AND TECHNOLOGY	49	14	9	3	2	0	2	6	13
0114 FORESTRY	54	8	8	6	0	3	9	11	9
0115 NATURAL RESOURCES MANAGEMENT	134	14	16	9	6	6	22	17	44
0199 OTHER	68	13	5	5	2	4	11	7	21
*TOTAL AGRICULTURE AND NATURAL RESOURCES	881	210	119	51	32	25	107	90	247
ARCHITECTURE AND ENVIRONMENTAL DESIGN									
0202 ARCHITECTURE	121	15	15	2	3	1	9	21	55
0203 INTERIOR DESIGN	34	9	8	0	0	0	1	0	16
0204 LANDSCAPE ARCHITECTURE	43	8	3	3	0	2	5	3	19
0206 CITY,COMMUNITY,AND REGIONAL PLANNING	7	3	2	0	0	0	0	1	1
*TOTAL ARCHITECTURE AND ENVIRONMENTAL DESIGN	205	35	28	5	3	3	15	25	91
AREA STUDIES									
0301 GENERAL ASIAN STUDIES	1	0	0	0	0	0	0	0	1
0302 EAST ASIAN STUDIES	1	0	0	0	0	0	0	0	1
0305 AFRICAN STUDIES	3	0	0	0	0	0	1	0	2
0307 RUSSIAN AND SLAVIC STUDIES	5	1	0	2	0	0	0	2	0
0308 LATIN AMERICAN STUDIES	2	0	0	0	1	0	1	0	0
0310 GENERAL EUROPEAN STUDIES	1	0	0	0	0	0	0	1	0
0311 EASTERN EUROPEAN STUDIES	1	0	0	0	0	0	1	0	0
0313 AMERICAN STUDIES	27	2	1	3	4	1	1	6	9
0399 OTHER	6	0	0	0	3	0	0	0	3
*TOTAL AREA STUDIES	47	3	1	5	8	1	4	9	16
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	1937	265	115	82	51	49	135	776	464

TABLE 30.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
BIOLOGICAL SCIENCES									
0411 MICROBIOLOGY	110	35	13	4	8	2	3	13	32
0414 BIOCHEMISTRY	94	16	5	2	4	1	3	42	21
0415 BIOPHYSICS	9	0	1	2	0	0	0	0	6
0416 MOLECULAR BIOLOGY	6	2	1	0	0	0	1	2	0
0417 CELL BIOLOGY	13	7	3	0	0	0	1	2	0
0418 MARINE BIOLOGY	7	0	1	2	0	1	0	3	0
0420 ECOLOGY	22	2	5	1	0	0	2	6	6
0421 ENTOMOLOGY	6	1	0	0	0	1	0	0	4
0427 EMBRYOLOGY	11	0	0	0	0	0	0	11	0
0460 RADIATION PHYSICS	13	0	0	0	0	0	2	2	9
0499 OTHER	109	11	6	5	2	1	7	38	39
*TOTAL BIOLOGICAL SCIENCES	2337	339	150	98	65	55	154	895	581
BUSINESS AND MANAGEMENT									
0501 BUSINESS AND COMMERCE,GENERAL	1424	545	171	68	24	16	188	63	349
0502 ACCOUNTING	2857	1172	481	86	22	49	289	103	655
0503 BUSINESS STATISTICS	7	3	0	0	0	0	0	0	4
0504 BANKING AND FINANCE	446	100	84	12	5	14	66	41	124
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	2834	963	370	139	46	79	301	130	806
0507 OPERATIONS RESEARCH	2	1	1	0	0	0	0	0	0
0508 HOTEL AND RESTAURANT MANAGEMENT	13	6	5	0	0	1	1	0	0
0509 MARKETING AND PURCHASING	1160	292	167	52	14	36	178	33	388
0510 TRANSPORTATION AND PUBLIC UTILITIES	128	20	27	6	4	2	17	0	52
0511 REAL ESTATE	19	4	2	0	1	0	1	0	11
0512 INSURANCE	59	20	6	3	0	1	4	3	22
0514 SECRETARIAL STUDIES	8	4	1	0	0	1	0	1	1
0515 PERSONNEL MANAGEMENT	76	7	13	8	4	2	7	1	34
0516 LABOR AND INDUSTRIAL RELATIONS	108	22	15	14	7	4	11	5	30
0517 BUSINESS ECONOMICS	308	51	62	9	10	7	37	54	78
0556 ACTUARIAL SCIENCES	6	2	0	0	0	0	0	0	4
0558 OFFICE MANAGEMENT	8	4	0	0	0	0	1	0	3
0599 OTHER	315	105	44	10	5	0	31	10	110
*TOTAL BUSINESS AND MANAGEMENT	9778	3321	1449	407	142	212	1132	444	2671
COMMUNICATIONS									
0601 GENERAL COMMUNICATIONS	380	77	34	58	18	15	58	34	86
0602 JOURNALISM	430	90	39	50	11	27	33	12	168
0603 RADIO/TELEVISION	245	42	11	17	5	19	11	14	126
0604 ADVERTISING	193	55	19	21	5	12	20	2	59

TABLE 30.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
COMMUNICATIONS									
0605 COMMUNICATION MEDIA	75	8	3	15	1	0	12	1	35
0699 OTHER	88	29	7	8	2	3	17	3	19
*TOTAL COMMUNICATIONS	1411	301	113	169	42	76	151	66	493
COMPUTER AND INFORMATION SCIENCES									
0701 COMPUTOR AND INFORMATION SCIENCES,GENERA	725	267	171	10	2	7	58	22	188
0702 INFORMATION SCIENCES AND SYSTEMS	64	18	14	4	0	1	5	2	20
0703 DATA PROCESSING	4	4	0	0	0	0	0	0	0
0704 COMPUTOR PROGRAMMING	38	23	7	0	0	0	2	2	4
0705 SYSTEMS ANALYSIS	83	39	18	0	0	0	8	1	17
0799 OTHER	33	15	10	1	0	0	2	0	5
*TOTAL COMPUTER AND INFORMATION SCIENCES	947	366	220	15	2	8	75	27	234
EDUCATION									
0801 GENERAL EDUCATION	93	22	11	11	3	15	5	7	19
0802 ELEMENTARY EDUCATION, GENERAL	1858	507	209	136	27	173	170	93	543
0803 SECONDARY EDUCATION, GENERAL	100	19	6	9	3	8	3	6	46
0808 SPECIAL EDUCATION, GENERAL	693	225	139	58	9	34	51	37	140
0810 EDUCATION OF THE MENTALLY RETARDED	190	68	52	11	7	11	4	17	20
0814 EDUCATION OF THE VISUALLY HANDICAPPED	27	14	8	2	0	1	0	2	0
0815 SPEECH CORRECTION	217	36	41	18	1	7	8	68	38
0819 EDUCATION OF THE PHYSICALLY HANDICAPPED	8	6	0	1	1	0	0	0	0
0823 PRE-ELEMENTARY EDUCATION	166	75	28	15	3	17	13	10	5
0824 EDUCATIONAL STATISTICS AND RESEARCH	3	0	0	0	0	0	0	3	0
0831 ART EDUCATION	166	46	10	18	9	25	13	13	32
0832 MUSIC EDUCATION	354	78	43	34	9	36	14	33	107
0833 MATHEMATICS EDUCATION	53	22	8	6	4	1	3	1	8
0834 SCIENCE EDUCATION	8	4	0	1	0	0	0	1	2
0835 PHYSICAL EDUCATION	766	103	75	70	27	120	54	58	259
0837 HEALTH EDUCATION	51	9	0	3	1	7	1	5	25
0838 BUSINESS,COMMERCE,AND DISTRIBUTIVE EDUC.	157	49	6	28	4	4	7	6	53
0839 INDUSTRIAL ARTS,VOCATIONAL,AND TECH. EDU	256	98	16	50	4	1	17	9	61
0850 SOCIAL STUDIES	24	1	0	3	1	2	0	1	16
0851 EARLY CHILDHOOD EDUCATION	75	17	1	3	3	7	4	0	40
0857 REHABILITATION EDUCATION	15	11	2	0	0	0	1	1	0
0861 LIBRARY SCIENCE EDUCATION	5	0	1	1	0	0	1	0	2
0862 DENTAL HYGIENE	14	2	1	0	0	0	0	1	10
0864 HEALTH,PHYS. ED. AND RECREATIONAL ED.	65	14	2	6	1	4	1	4	33
0870 BIOLOGY EDUCATION	49	17	7	6	1	4	4	2	8

TABLE 30.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
EDUCATION									
0871 FRENCH EDUCATION	10	3	2	0	0	1	3	1	0
0872 GERMAN EDUCATION	3	0	0	0	0	1	0	1	1
0873 SPANISH EDUCATION	19	5	4	0	0	2	4	2	2
0874 OTHER FOREIGN LANGUAGES	2	1	1	0	0	0	0	0	0
0876 ENGLISH EDUCATION	53	10	5	5	2	5	10	6	10
0878 EARTH/SPACE SCIENCE EDUCATION	15	6	1	2	1	0	1	1	3
0879 CHEMISTRY EDUCATION	4	3	0	0	0	1	0	0	0
0880 PHYSICS EDUCATION	4	2	0	1	0	0	0	0	1
0881 SOCIAL STUDIES EDUCATION	105	27	5	11	6	18	13	9	16
0887 SPEECH,DRAMATIC ARTS EDUCATION	2	0	0	0	0	0	0	0	2
0891 AGRICULTURAL EDUCATION	2	0	0	2	0	0	0	0	0
0893 HOME ECONOMICS EDUCATION	61	31	5	11	0	1	5	2	6
0894 NURSING EDUCATION	66	22	1	28	1	3	3	0	8
0899 OTHER	376	117	52	27	10	10	25	44	91
*TOTAL EDUCATION	6135	1670	742	577	138	519	438	444	1607
ENGINEERING									
0901 ENGINEERING,GENERAL	118	38	51	0	0	0	4	10	15
0902 AEROSPACE,AERONAUT. AND ASTRONAUT. ENG.	48	1	20	0	3	0	2	2	20
0903 AGRICULTURAL ENGINEERING	28	3	9	0	2	0	1	6	7
0904 ARCHITECTURAL ENGINEERING	95	8	29	2	3	0	0	0	53
0905 BIOENGINEERING AND BIOMEDICAL ENGINEERIN	4	0	0	0	0	0	0	1	3
0906 CHEMICAL ENGINEERING	556	104	245	1	5	1	19	35	146
0907 PETROLEUM ENGINEERING	68	4	33	0	1	0	0	1	29
0908 CIVIL,CONSTRUCTION AND TRANSPORTION	480	124	134	5	4	3	9	30	171
0909 ELECTRICAL,ELECTRONICS AND COMMUNICATION	786	196	286	0	2	1	13	54	234
0910 MECHANICAL ENGINEERING	671	212	235	2	3	0	11	32	176
0913 INDUSTRIAL AND MANAGEMENT ENGINEERING	317	86	91	1	7	0	6	17	109
0914 METALLURGICAL ENGINEERING	113	50	40	0	2	0	3	9	9
0915 MATERIALS ENGINEERING	34	8	5	0	0	0	4	8	9
0916 CERAMIC ENGINEERING	32	7	2	1	1	0	1	1	19
0917 TEXTILE ENGINEERING	24	1	7	0	0	0	2	2	12
0918 MINING AND MINERAL ENGINEERING	150	31	43	4	0	0	7	4	61
0919 ENGINEERING PHYSICS	9	2	3	0	0	0	2	1	1
0920 NUCLEAR ENGINEERING	31	8	10	1	0	0	0	2	10
0922 ENVIRONMENTAL AND SANITATION ENGINEERING	47	14	8	1	0	0	5	2	17
0925 ENGINEERING TECHNOLOGIES	359	129	113	7	3	0	22	4	81
0999 OTHER	72	10	23	0	1	0	6	11	21
*TOTAL ENGINEERING	4042	1036	1387	25	37	5	117	232	1203

TABLE 30.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
FINE AND APPLIED ARTS									
1001 FINE ARTS,GENERAL	255	39	15	28	19	20	11	20	103
1002 ART	483	55	30	27	15	23	42	45	246
1003 ART HISTORY AND APPRECIATION	69	5	5	7	5	2	10	12	23
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	246	33	22	11	11	14	2	63	90
1005 MUSIC(LIBERAL ARTS PROGRAM)	107	14	10	14	8	6	7	16	32
1006 MUSIC HISTORY AND APPRECIATION	4	0	0	1	0	0	0	0	3
1007 DRAMATIC ARTS	148	13	21	13	5	6	3	12	75
1008 DANCE	10	2	0	2	1	1	1	2	1
1009 APPLIED DESIGN	169	61	48	3	2	0	11	2	42
1010 CINEMATOGRAPHY	16	0	0	0	0	3	2	0	11
1011 PHOTOGRAPHY	18	2	1	1	0	0	0	0	14
1099 OTHER	61	10	7	6	3	3	5	6	21
*TOTAL FINE AND APPLIED ARTS	1586	234	159	113	69	78	94	178	661
FOREIGN LANGUAGES									
1101 FOREIGN LANGUAGES,GENERAL	20	1	2	0	8	0	2	2	5
1102 FRENCH	155	9	8	15	26	3	23	20	51
1103 GERMAN	83	6	6	14	4	3	14	16	20
1104 ITALIAN	7	0	0	1	1	0	0	0	5
1105 SPANISH	140	15	14	11	14	11	20	16	39
1106 RUSSIAN	31	1	3	3	4	1	3	3	13
1107 CHINESE	1	0	0	0	0	0	0	0	1
1108 JAPANESE	2	0	0	0	0	0	1	0	1
1109 LATIN	4	0	0	0	0	0	0	2	2
1110 CLASICAL GREEK	5	0	2	0	1	0	0	2	0
1111 HEBREW	4	0	0	0	0	0	0	2	2
1112 ARABIC	1	0	1	0	0	0	0	0	0
1113 INDIAN(ASIATIC)	1	0	1	0	0	0	0	0	0
1115 SLAVIC LANGUAGES	1	0	1	0	0	0	0	0	0
1199 OTHER	5	0	1	1	0	0	2	0	1
*TOTAL FOREIGN LANGUAGES	460	32	39	45	58	18	65	63	140
HEALTH PROFESSIONS									
1201 HEALTH PROFESSIONS,GENERAL	94	27	1	1	0	1	4	27	33
1202 HOSPITAL AND HEALTH CARE ADMINISTRATION	201	68	13	13	3	1	27	22	54
1203 NURSING	1826	1130	221	3	3	19	26	52	372
1207 MEDICAL SPECIALTIES	7	0	0	0	0	0	0	0	7
1208 OCCUPATIONAL THERAPY	40	19	9	0	0	0	0	0	12
1209 OPTOMETRY	1	1	0	0	0	0	0	0	0

TABLE 30.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE
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HEALTH PROFESSIONS									
1211 PHARMACY	228	80	32	0	0	0	8	44	64
1212 PHYSICAL THERAPY	157	56	45	0	1	1	0	1	53
1213 DENTAL HYGIENE	28	21	2	0	0	0	1	3	1
1214 PUBLIC HEALTH	47	3	8	4	4	2	0	3	23
1215 MEDICAL RECORD LIBRARIANSHIP	20	7	5	1	0	0	1	0	6
1220 SPEECH PATHOLOGY AND AUDIOLOGY	24	5	1	3	0	1	0	5	9
1223 MEDICAL LABORATORY TECHNOLOGIES	305	192	26	2	0	5	3	9	68
1224 DENTAL TECHNOLOGIES	2	2	0	0	0	0	0	0	0
1225 RADIOLOGIC TECHNOLOGIES	33	18	3	1	1	0	1	0	9
1263 INHALATION THERAPY	18	12	4	0	0	0	0	0	2
1264 ENVIRONMENTAL HEALTH	17	6	0	0	0	0	3	0	8
1266 MUSIC THERAPY	4	0	0	0	0	0	0	0	4
1267 CHILD CARE/DEVELOPMENT	34	8	0	1	0	1	1	4	19
1268 HEALTH RECORDS ADMINISTRATION	60	9	5	0	0	1	0	1	44
1276 BIOLOGICAL CHEMISTRY	8	0	0	0	0	0	0	0	8
1284 CLINICAL CHEMISTRY	7	1	1	0	0	0	0	0	5
1299 OTHER	113	55	21	1	0	0	8	7	21
*TOTAL HEALTH PROFESSIONS	3274	1720	397	30	12	32	83	178	822
HOME ECONOMICS									
1301 HOME ECONOMICS,GENERAL	155	64	23	6	1	4	17	4	36
1302 HOME DECORATION AND HOME EQUIPMENT	2	0	0	0	0	0	2	0	0
1303 CLOTHING AND TEXTILES	23	8	6	2	0	0	0	3	4
1304 CONSUMER ECONOMICS AND HOME MANAGEMENT	16	2	0	0	0	1	1	0	12
1305 FAMILY RELATIONS AND CHILD DEVELOPMENT	236	49	14	19	11	15	19	14	95
1306 FOODS AND NUTRITION	256	78	41	8	3	5	16	37	68
1307 INSTITUTIONAL AND/OR CAFETERIA MANAGEMEN	165	42	37	5	0	2	7	4	68
1399 OTHER	20	12	0	0	0	2	2	1	3
*TOTAL HOME ECONOMICS	873	255	121	40	15	29	64	63	286
INTERDISCIPLINARY STUDIES									
4901 GENERAL LIBERAL ARTS AND SCIENCES	478	52	26	34	19	19	38	64	226
4902 BIOLOGICAL AND PHYSICAL SCIENCES	29	4	1	2	0	1	4	5	12
4903 HUMANITIES AND SOCIAL SCIENCES	16	0	0	2	3	0	3	5	3
4904 ENGINEERING AND OTHER DISCIPLINES	2	0	0	0	0	0	0	0	2
4950 HUMANITIES	6	1	1	2	0	0	2	0	0
4951 BEHAVIORAL SCIENCES	1	0	0	0	0	0	0	0	1
4999 OTHER	165	39	18	20	9	4	10	23	42
*TOTAL INTERDISCIPLINARY STUDIES	697	96	46	60	31	24	57	97	286

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LAW									
1401 LAW, GENERAL	19	0	0	0	2	0	0	11	6
1499 OTHER	6	0	0	0	0	0	0	1	5
*TOTAL LAW	25	0	0	0	2	0	0	12	11
LETTERS									
1501 ENGLISH, GENERAL	903	106	87	91	44	40	102	117	316
1502 ENGLISH LITERATURE	134	8	6	13	11	3	16	26	51
1503 COMPARATIVE LITERATURE	3	0	0	1	0	0	0	2	0
1504 CLASSICS	15	0	0	3	1	1	1	6	3
1505 LINGUISTICS	9	1	0	0	1	1	1	2	3
1506 SPEECH, DEBATE, AND FORENSIC SCIENCE	411	36	21	44	21	25	35	23	206
1507 CREATIVE WRITING	4	0	0	0	0	0	1	0	3
1509 PHILOSOPHY	158	5	2	14	12	3	14	46	62
1510 RELIGIOUS STUDIES	157	17	21	20	13	1	15	48	22
1553 CLASSICAL STUDIES	1	0	0	0	0	0	1	0	0
1556 ENGLISH, WRITING	77	7	1	5	3	2	2	3	54
1599 OTHER	97	10	12	9	4	3	16	8	35
*TOTAL LETTERS	1969	190	150	200	110	79	204	281	755
LIBRARY SCIENCE									
1601 LIBRARY SCIENCE, GENERAL	57	14	10	7	2	2	7	6	9
*TOTAL LIBRARY SCIENCE	57	14	10	7	2	2	7	6	9
MATHEMATICS									
1701 MATHEMATICS, GENERAL	464	127	74	24	14	7	35	67	116
1702 MATHEMATICAL AND THEORETICAL STATISTICS	30	2	10	0	2	0	4	3	9
1703 APPLIED MATHEMATICS	73	13	32	2	1	1	2	8	14
1799 OTHER	8	4	4	0	0	0	0	0	0
*TOTAL MATHEMATICS	575	146	120	26	17	8	41	78	139
PHYSICAL SCIENCES									
1901 PHYSICAL SCIENCES, GENERAL	9	1	0	1	1	0	0	1	5
1902 PHYSICS, GENERAL	197	33	29	7	2	1	15	73	37

TABLE 30.0

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PHYSICAL SCIENCES									
1905 GENERAL CHEMISTRY	736	116	84	9	3	12	49	291	172
1907 ORGANIC CHEMISTRY	1	0	0	0	0	0	0	1	0
1911 ASTRONOMY	12	2	5	1	1	1	1	0	1
1913 ATMOSPHERIC SCIENCES AND METEOROLOGY	46	5	9	2	2	0	6	2	20
1914 GEOLOGY	267	21	69	6	7	0	17	57	90
1915 GEOCHEMISTRY	2	0	0	0	0	0	0	0	2
1917 EARTH SCIENCES, GENERAL	108	12	16	8	6	2	15	15	34
1920 METALLURGY	32	10	4	1	0	0	0	1	16
1999 OTHER	218	10	16	5	4	6	18	85	74
*TOTAL PHYSICAL SCIENCES	1628	210	232	40	26	22	121	526	451
PSYCHOLOGY									
2001 GENERAL PSYCHOLOGY	1962	236	88	204	96	85	187	365	701
2004 PSYCHOLOGY FOR COUNSELING	28	11	3	3	1	0	1	6	3
2005 SOCIAL PSYCHOLOGY	14	3	1	1	0	0	3	2	4
2099 OTHER	13	4	1	4	0	2	0	1	1
*TOTAL PSYCHOLOGY	2017	254	93	212	97	87	191	374	709
PUBLIC AFFAIRS AND SERVICES									
2101 COMMUNITY SERVICES, GENERAL	25	2	1	4	2	1	4	0	11
2102 PUBLIC ADMINISTRATION	108	12	4	19	1	2	9	22	39
2103 PARKS AND RECREATION MANAGEMENT	258	51	43	12	15	22	37	12	66
2104 SOCIAL WORK AND HELPING SERVICES	975	242	37	86	17	37	90	105	361
2105 LAW ENFORCEMENT AND CORRECTIONS	766	138	47	77	29	23	54	52	346
2106 INTERNATIONAL PUBLIC SERVICE	37	0	4	1	1	1	6	7	17
2150 SAFETY MANAGEMENT	80	25	28	0	0	1	6	3	17
2152 ADMINISTRATION OF JUSTICE	78	8	0	2	0	1	9	1	57
2199 OTHER	166	35	6	21	5	12	15	11	61
*TOTAL PUBLIC AFFAIRS AND SERVICES	2493	513	170	222	70	100	230	213	975
SOCIAL SCIENCES									
2201 SOCIAL SCIENCES, GENERAL	247	43	13	34	16	5	31	34	71
2202 ANTHROPOLOGY	95	2	8	9	3	6	7	21	39
2203 ARCHAEOLOGY	8	0	0	0	4	0	0	4	0
2204 ECONOMICS	811	150	95	57	31	15	65	104	294
2205 HISTORY	646	39	32	68	58	24	70	148	207

TABLE 30.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
SOCIAL SCIENCES									
2206 GEOGRAPHY	142	9	13	19	4	4	19	14	60
2207 POLITICAL SCIENCE AND GOVERNMENT	1104	62	47	103	91	19	87	292	403
2208 SOCIOLOGY	634	100	21	95	30	18	58	88	224
2209 CRIMINOLOGY	205	64	30	6	7	16	24	20	38
2210 INTERNATIONAL RELATIONS	58	3	7	2	4	1	9	18	14
2211 AFRO-AMERICAN STUDIES	1	0	0	0	0	0	0	0	1
2212 AMERICAN INDIAN CULTURAL STUDIES	2	0	0	0	1	0	0	1	0
2214 URBAN STUDIES	80	14	3	6	2	2	6	7	40
2215 DEMOGRAPHY	7	1	0	1	2	0	0	0	3
2251 SOCIOLOGY/ANTHROPOLOGY	1	0	0	0	0	0	0	0	1
2256 HISTORY/PHILOSOPHY OF SCIENCE	1	0	0	0	1	0	0	0	0
2299 OTHER	144	18	10	11	10	3	11	31	50
*TOTAL SOCIAL SCIENCES	4186	505	279	411	264	113	387	782	1445
THEOLOGY									
2301 THEOLOGICAL PROFESSIONS, GENERAL	79	6	11	16	3	2	2	23	16
2302 RELIGIOUS MUSIC	16	3	4	3	0	0	0	1	5
2304 RELIGIOUS EDUCATION	66	8	12	18	4	1	3	7	13
2399 OTHER	27	2	2	8	3	0	0	8	4
*TOTAL THEOLOGY	188	19	29	45	10	3	5	39	38
TOTAL	45811	11469	6054	2803	1252	1499	3742	5122	13870

TABLE 30.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
AGRICULTURE AND NATURAL RESOURCES									
0115 NATURAL RESOURCES MANAGEMENT	20	5	0	1	3	1	3	3	4
0199 OTHER	20	3	2	3	0	3	4	2	3
*TOTAL AGRICULTURE AND NATURAL RESOURCES	40	8	2	4	3	4	7	5	7
ARCHITECTURE AND ENVIRONMENTAL DESIGN									
0206 CITY,COMMUNITY,AND REGIONAL PLANNING	7	3	2	0	0	0	0	1	1
*TOTAL ARCHITECTURE AND ENVIRONMENTAL DESIGN	7	3	2	0	0	0	0	1	1
AREA STUDIES									
0313 AMERICAN STUDIES	1	0	0	0	0	0	0	0	1
*TOTAL AREA STUDIES	1	0	0	0	0	0	0	0	1
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	324	77	19	19	6	11	26	94	72
0418 MARINE BIOLOGY	2	0	1	0	0	1	0	0	0
0499 OTHER	45	6	4	2	0	0	2	8	23
*TOTAL BIOLOGICAL SCIENCES	371	83	24	21	6	12	28	102	95
BUSINESS AND MANAGEMENT									
0501 BUSINESS AND COMMERCE,GENERAL	212	62	28	7	2	2	24	9	78
0502 ACCOUNTING	665	318	99	16	6	2	58	13	153
0504 BANKING AND FINANCE	55	18	5	2	0	2	9	3	16
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	901	352	103	39	9	39	74	34	251
0509 MARKETING AND PURCHASING	416	116	57	21	3	8	43	8	160
0510 TRANSPORTATION AND PUBLIC UTILITIES	5	0	1	1	0	0	0	0	3
0511 REAL ESTATE	11	3	0	0	1	0	1	0	6
0515 PERSONNEL MANAGEMENT	71	7	10	7	3	2	7	1	34
0516 LABOR AND INDUSTRIAL RELATIONS	17	4	3	1	1	0	1	0	7
0517 BUSINESS ECONOMICS	45	16	6	3	1	2	9	2	6
0558 OFFICE MANAGEMENT	8	4	0	0	0	0	1	0	3
0599 OTHER	64	33	9	2	1	0	3	0	16
*TOTAL BUSINESS AND MANAGEMENT	2470	933	321	99	27	57	230	70	733

TABLE 30.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
COMMUNICATIONS									
0601 GENERAL COMMUNICATIONS	131	30	12	15	2	6	17	4	45
0602 JOURNALISM	98	28	6	10	1	1	16	3	33
0603 RADIO/TELEVISION	48	15	6	4	3	4	5	4	7
0604 ADVERTISING	53	31	6	4	1	5	3	0	3
0605 COMMUNICATION MEDIA	46	1	1	13	1	0	4	0	26
0699 OTHER	41	20	4	3	2	1	8	1	2
*TOTAL COMMUNICATIONS	417	125	35	49	10	17	53	12	116
COMPUTER AND INFORMATION SCIENCES									
0701 COMPUTOR AND INFORMATION SCIENCES,GENERA	232	102	48	4	1	3	11	3	60
0702 INFORMATION SCIENCES AND SYSTEMS	10	2	3	1	0	0	1	0	3
0704 COMPUTOR PROGRAMMING	22	12	4	0	0	0	1	2	3
0705 SYSTEMS ANALYSIS	71	28	17	0	0	0	8	1	17
0799 OTHER	33	15	10	1	0	0	2	0	5
*TOTAL COMPUTER AND INFORMATION SCIENCES	368	159	82	6	1	3	23	6	88
EDUCATION									
0801 GENERAL EDUCATION	68	16	10	9	3	15	5	6	4
0802 ELEMENTARY EDUCATION, GENERAL	1021	283	105	83	12	115	87	58	278
0803 SECONDARY EDUCATION, GENERAL	13	5	0	2	0	0	0	1	5
0808 SPECIAL EDUCATION, GENERAL	489	142	121	44	5	20	28	24	105
0810 EDUCATION OF THE MENTALLY RETARDED	183	66	51	11	7	10	4	17	17
0814 EDUCATION OF THE VISUALLY HANDICAPPED	27	14	8	2	0	1	0	2	0
0815 SPEECH CORRECTION	195	33	41	17	1	6	7	58	32
0823 PRE-ELEMENTARY EDUCATION	110	50	19	7	1	12	8	9	4
0831 ART EDUCATION	116	38	9	11	9	20	9	4	16
0832 MUSIC EDUCATION	194	37	33	17	3	13	8	11	72
0833 MATHEMATICS EDUCATION	31	12	6	5	0	1	2	1	4
0834 SCIENCE EDUCATION	5	2	0	1	0	0	0	1	1
0835 PHYSICAL EDUCATION	620	82	65	61	23	103	43	41	202
0837 HEALTH EDUCATION	24	3	0	2	1	5	1	4	8
0838 BUSINESS,COMMERCE,AND DISTRIBUTIVE EDUC.	85	27	3	19	3	2	1	3	27
0839 INDUSTRIAL ARTS,VOCATIONAL,AND TECH. EDU	172	68	16	42	2	0	12	8	24
0850 SOCIAL STUDIES	24	1	0	3	1	2	0	1	16
0851 EARLY CHILDHOOD EDUCATION	30	6	1	0	2	2	1	0	18
0857 REHABILITATION EDUCATION	15	11	2	0	0	0	1	1	0
0861 LIBRARY SCIENCE EDUCATION	5	0	1	1	0	0	1	0	2
0862 DENTAL HYGIENE	14	2	1	0	0	0	0	1	10
0870 BIOLOGY EDUCATION	38	14	4	5	0	3	2	2	8

TABLE 30.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED		EMPLOYED IN OTHER FIELD		EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
		IN PA.	OUTSIDE PA.	IN PA.	OUTSIDE PA.				
EDUCATION									
0871 FRENCH EDUCATION	6	2	1	0	0	0	2	1	0
0872 GERMAN EDUCATION	3	0	0	0	0	1	0	1	1
0873 SPANISH EDUCATION	14	4	4	0	0	2	2	0	2
0876 ENGLISH EDUCATION	34	8	5	5	0	3	1	4	8
0878 EARTH/SPACE SCIENCE EDUCATION	14	6	0	2	1	0	1	1	3
0879 CHEMISTRY EDUCATION	1	1	0	0	0	0	0	0	0
0880 PHYSICS EDUCATION	4	2	0	1	0	0	0	0	1
0881 SOCIAL STUDIES EDUCATION	88	22	3	10	6	15	9	7	16
0887 SPEECH,DRAMATIC ARTS EDUCATION	2	0	0	0	0	0	0	0	2
0891 AGRICULTURAL EDUCATION	2	0	0	2	0	0	0	0	0
0893 HOME ECONOMICS EDUCATION	39	23	4	8	0	0	4	0	0
0894 NURSING EDUCATION	66	22	1	28	1	3	3	0	8
0899 OTHER	181	73	39	19	2	0	8	13	27
*TOTAL EDUCATION	3933	1075	553	417	83	354	250	280	921
FINE AND APPLIED ARTS									
1001 FINE ARTS,GENERAL	87	24	3	12	3	10	5	7	23
1002 ART	160	22	9	14	6	7	17	19	66
1003 ART HISTORY AND APPRECIATION	2	0	0	0	0	0	1	0	1
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	12	0	1	0	1	0	0	6	4
1005 MUSIC(LIBERAL ARTS PROGRAM)	36	2	7	6	1	2	2	7	9
1006 MUSIC HISTORY AND APPRECIATION	1	0	0	1	0	0	0	0	0
1007 DRAMATIC ARTS	23	1	1	1	0	1	2	3	14
1009 APPLIED DESIGN	1	0	0	0	0	0	0	1	0
1099 OTHER	12	2	0	5	0	1	0	2	2
*TOTAL FINE AND APPLIED ARTS	334	51	21	39	11	21	27	45	119
FOREIGN LANGUAGES									
1102 FRENCH	31	2	2	2	2	2	6	2	13
1103 GERMAN	28	4	3	6	2	2	2	6	3
1105 SPANISH	28	3	3	3	1	2	2	4	10
1106 RUSSIAN	6	0	0	1	0	0	2	0	3
1109 LATIN	2	0	0	0	0	0	0	2	0
*TOTAL FOREIGN LANGUAGES	95	9	8	12	5	6	12	14	29
HEALTH PROFESSIONS									
1203 NURSING	396	269	59	0	0	1	3	7	57

TABLE 30.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED OTHER FIELD IN PA.	EMPLOYED OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
HEALTH PROFESSIONS									
1207 MEDICAL SPECIALTIES	7	0	0	0	0	0	0	0	7
1213 DENTAL HYGIENE	8	6	1	0	0	0	0	1	0
1214 PUBLIC HEALTH	47	3	8	4	4	2	0	3	23
1220 SPEECH PATHOLOGY AND AUDIOLOGY	19	4	1	1	0	0	0	4	9
1223 MEDICAL LABORATORY TECHNOLOGIES	129	86	6	0	0	2	1	5	29
1225 RADIOLOGIC TECHNOLOGIES	2	1	0	0	1	0	0	0	0
1263 INHALATION THERAPY	18	12	4	0	0	0	0	0	2
1264 ENVIRONMENTAL HEALTH	17	6	0	0	0	0	3	0	8
1276 BIOLOGICAL CHEMISTRY	8	0	0	0	0	0	0	0	8
1284 CLINICAL CHEMISTRY	7	1	1	0	0	0	0	0	5
1299 OTHER	26	22	0	0	0	0	0	0	4
*TOTAL HEALTH PROFESSIONS	684	410	80	5	5	5	7	20	152
HOME ECONOMICS									
1301 HOME ECONOMICS,GENERAL	123	55	19	2	0	1	14	1	31
1303 CLOTHING AND TEXTILES	16	5	4	2	0	0	0	2	3
1305 FAMILY RELATIONS AND CHILD DEVELOPMENT	11	4	1	0	0	2	0	3	1
1306 FOODS AND NUTRITION	82	33	7	1	0	1	3	18	19
1307 INSTITUTIONAL AND/OR CAFETERIA MANAGEMEN	39	18	11	1	0	1	2	2	4
1399 OTHER	5	2	0	0	0	0	0	0	3
*TOTAL HOME ECONOMICS	276	117	42	6	0	5	19	26	61
INTERDISCIPLINARY STUDIES									
4901 GENERAL LIBERAL ARTS AND SCIENCES	37	6	1	3	2	1	7	5	12
4902 BIOLOGICAL AND PHYSICAL SCIENCES	17	2	1	0	0	0	2	4	8
4903 HUMANITIES AND SOCIAL SCIENCES	2	0	0	1	0	0	0	0	1
4904 ENGINEERING AND OTHER DISCIPLINES	2	0	0	0	0	0	0	0	2
4999 OTHER	42	3	1	7	2	0	0	1	28
*TOTAL INTERDISCIPLINARY STUDIES	100	11	3	11	4	1	9	10	51
LETTERS									
1501 ENGLISH,GENERAL	166	23	5	27	2	11	19	16	63
1502 ENGLISH LITERATURE	26	1	0	1	0	0	3	1	20
1506 SPEECH,DEBATE,AND FORENSIC SCIENCE	77	13	6	11	1	2	2	1	41
1509 PHILOSOPHY	26	1	0	3	0	1	1	7	13
1510 RELIGIOUS STUDIES	2	0	0	1	0	0	0	1	0

TABLE 30.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE
RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
LETTERS									
1599 OTHER	23	0	0	3	3	0	3	2	12
*TOTAL LETTERS	320	38	11	46	6	14	28	28	149
LIBRARY SCIENCE									
1601 LIBRARY SCIENCE, GENERAL	55	14	10	7	2	2	7	6	7
*TOTAL LIBRARY SCIENCE	55	14	10	7	2	2	7	6	7
MATHEMATICS									
1701 MATHEMATICS, GENERAL	118	32	11	12	6	5	8	13	31
1703 APPLIED MATHEMATICS	10	1	6	1	0	0	1	0	1
*TOTAL MATHEMATICS	128	33	17	13	6	5	9	13	32
PHYSICAL SCIENCES									
1901 PHYSICAL SCIENCES, GENERAL	5	0	0	1	0	0	0	0	4
1902 PHYSICS, GENERAL	50	9	9	4	0	0	4	14	10
1905 GENERAL CHEMISTRY	84	22	12	2	1	0	10	14	23
1914 GEOLOGY	73	9	22	3	2	0	6	13	18
1915 GEOCHEMISTRY	2	0	0	0	0	0	0	0	2
1917 EARTH SCIENCES, GENERAL	54	3	5	5	4	0	9	10	18
1999 OTHER	6	4	1	0	0	1	0	0	0
*TOTAL PHYSICAL SCIENCES	274	47	49	15	7	1	29	51	75
PSYCHOLOGY									
2001 GENERAL PSYCHOLOGY	403	61	11	52	9	19	44	70	137
2005 SOCIAL PSYCHOLOGY	14	3	1	1	0	0	3	2	4
*TOTAL PSYCHOLOGY	417	64	12	53	9	19	47	72	141
PUBLIC AFFAIRS AND SERVICES									
2102 PUBLIC ADMINISTRATION	18	5	2	8	0	0	2	1	0
2103 PARKS AND RECREATION MANAGEMENT	155	35	28	8	12	16	23	7	26

TABLE 30.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
PUBLIC AFFAIRS AND SERVICES									
2104 SOCIAL WORK AND HELPING SERVICES	266	74	6	34	6	10	33	13	90
2105 LAW ENFORCEMENT AND CORRECTIONS	175	37	10	11	2	2	6	6	101
2150 SAFETY MANAGEMENT	80	25	28	0	0	1	6	3	17
2199 OTHER	99	24	5	16	3	7	8	2	34
*TOTAL PUBLIC AFFAIRS AND SERVICES	793	200	79	77	23	36	78	32	268
SOCIAL SCIENCES									
2201 SOCIAL SCIENCES, GENERAL	40	7	1	5	2	2	5	4	14
2202 ANTHROPOLOGY	13	2	2	0	0	0	2	2	5
2204 ECONOMICS	87	13	3	10	2	2	8	6	43
2205 HISTORY	96	5	1	16	5	5	12	14	38
2206 GEOGRAPHY	86	7	11	14	2	2	12	9	29
2207 POLITICAL SCIENCE AND GOVERNMENT	198	17	14	21	11	1	9	38	87
2208 SOCIOLOGY	197	50	6	34	4	6	13	18	66
2209 CRIMINOLOGY	155	52	25	4	1	11	13	13	36
2210 INTERNATIONAL RELATIONS	7	0	2	0	0	0	1	2	2
2214 URBAN STUDIES	46	14	1	6	1	0	3	2	19
2251 SOCIOLOGY/ANTHROPOLOGY	1	0	0	0	0	0	0	0	1
2299 OTHER	3	0	0	1	0	0	0	2	0
*TOTAL SOCIAL SCIENCES	929	167	66	111	28	29	78	110	340
TOTAL	12012	3547	1417	991	236	591	941	903	3386

TABLE 30.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
AGRICULTURE AND NATURAL RESOURCES									
0101 AGRICULTURE, GENERAL	38	4	0	2	1	0	7	4	20
0102 AGRONOMY	39	7	7	3	1	1	3	7	10
0104 ANIMAL SCIENCE	97	11	6	1	4	3	12	18	42
0105 DAIRY SCIENCE	22	14	0	0	0	0	1	0	7
0106 POULTRY SCIENCE	4	3	0	0	0	0	0	1	0
0108 HORTICULTURE	91	22	8	4	1	4	12	3	37
0111 AGRICULTURAL ECONOMICS	19	4	1	1	0	3	3	2	5
0112 AGRICULTURAL BUSINESS	63	12	3	11	3	1	6	2	25
0113 FOOD SCIENCE AND TECHNOLOGY	33	7	5	2	2	0	1	4	12
0114 FORESTRY	49	5	8	6	0	3	9	9	9
0115 NATURAL RESOURCES MANAGEMENT	110	9	16	8	3	5	19	10	40
0199 OTHER	44	9	2	2	1	1	7	4	18
*TOTAL AGRICULTURE AND NATURAL RESOURCES	609	107	56	40	16	21	80	64	225
ARCHITECTURE AND ENVIRONMENTAL DESIGN									
0202 ARCHITECTURE	62	9	4	2	1	1	5	15	25
0204 LANDSCAPE ARCHITECTURE	43	8	3	3	0	2	5	3	19
*TOTAL ARCHITECTURE AND ENVIRONMENTAL DESIGN	105	17	7	5	1	3	10	18	44
AREA STUDIES									
0301 GENERAL ASIAN STUDIES	1	0	0	0	0	0	0	0	1
0302 EAST ASIAN STUDIES	1	0	0	0	0	0	0	0	1
0305 AFRICAN STUDIES	3	0	0	0	0	0	1	0	2
0313 AMERICAN STUDIES	3	0	0	1	0	0	0	0	2
*TOTAL AREA STUDIES	8	0	0	1	0	0	1	0	6
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	383	34	14	11	5	5	29	95	190
0411 MICROBIOLOGY	103	32	12	4	5	2	3	13	32
0414 BIOCHEMISTRY	35	5	0	2	3	1	3	8	13
0415 BIOPHYSICS	8	0	1	2	0	0	0	0	5
0421 ENTOMOLOGY	6	1	0	0	0	1	0	0	4
0460 RADIATION PHYSICS	13	0	0	0	0	0	2	2	9
0499 OTHER	13	0	1	1	0	0	1	6	4
*TOTAL BIOLOGICAL SCIENCES	561	72	28	20	13	9	38	124	257

TABLE 30.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
BUSINESS AND MANAGEMENT									
0501 BUSINESS AND COMMERCE,GENERAL	441	116	26	36	6	10	43	17	187
0502 ACCOUNTING	655	206	75	24	2	14	38	15	281
0503 BUSINESS STATISTICS	6	2	0	0	0	0	0	0	4
0504 BANKING AND FINANCE	164	32	21	7	4	4	18	3	75
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	351	68	21	39	6	7	32	12	166
0509 MARKETING AND PURCHASING	354	75	40	16	7	10	26	8	172
0510 TRANSPORTATION AND PUBLIC UTILITIES	123	20	26	5	4	2	17	0	49
0511 REAL ESTATE	7	1	1	0	0	0	0	0	5
0512 INSURANCE	53	19	3	3	0	1	4	3	20
0516 LABOR AND INDUSTRIAL RELATIONS	58	9	9	8	3	1	4	2	22
0517 BUSINESS ECONOMICS	40	1	2	2	1	0	5	8	21
0556 ACTUARIAL SCIENCES	6	2	0	0	0	0	0	0	4
0599 OTHER	41	6	8	2	3	0	6	1	15
*TOTAL BUSINESS AND MANAGEMENT	2299	557	232	142	36	49	193	69	1021
COMMUNICATIONS									
0601 GENERAL COMMUNICATIONS	20	3	0	2	0	0	4	2	9
0602 JOURNALISM	251	51	19	12	4	23	11	4	127
0603 RADIO/TELEVISION	179	20	5	13	1	15	6	6	113
0604 ADVERTISING	140	24	13	17	4	7	17	2	56
0605 COMMUNICATION MEDIA	12	0	0	2	0	0	1	0	9
*TOTAL COMMUNICATIONS	602	98	37	46	9	45	39	14	314
COMPUTER AND INFORMATION SCIENCES									
0701 COMPUTOR AND INFORMATION SCIENCES,GENERA	305	84	71	4	1	1	20	13	111
0702 INFORMATION SCIENCES AND SYSTEMS	24	7	2	0	0	0	0	2	13
*TOTAL COMPUTER AND INFORMATION SCIENCES	329	91	73	4	1	1	20	15	124
EDUCATION									
0802 ELEMENTARY EDUCATION, GENERAL	366	54	17	25	2	41	31	17	179
0803 SECONDARY EDUCATION, GENERAL	65	7	0	4	2	7	2	3	40
0808 SPECIAL EDUCATION, GENERAL	77	32	7	5	1	4	5	3	20
0810 EDUCATION OF THE MENTALLY RETARDED	7	2	1	0	0	1	0	0	3
0815 SPEECH CORRECTION	5	1	0	0	0	0	1	2	1
0831 ART EDUCATION	34	3	1	3	0	5	3	5	14
0832 MUSIC EDUCATION	51	4	2	7	2	6	2	3	25

TABLE 30.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
EDUCATION									
0833 MATHEMATICS EDUCATION	5	2	0	0	0	0	0	0	3
0834 SCIENCE EDUCATION	2	1	0	0	0	0	0	0	1
0835 PHYSICAL EDUCATION	115	11	2	8	4	14	8	14	54
0837 HEALTH EDUCATION	22	1	0	1	0	2	0	1	17
0838 BUSINESS,COMMERCE,AND DISTRIBUTIVE EDUC.	34	5	1	1	0	2	1	1	23
0839 INDUSTRIAL ARTS,VOCATIONAL,AND TECH. EDU	84	30	0	8	2	1	5	1	37
0851 EARLY CHILDHOOD EDUCATION	45	11	0	3	1	5	3	0	22
0864 HEALTH,PHYS. ED., AND RECREATIONAL ED.	65	14	2	6	1	4	1	4	33
0899 OTHER	179	35	10	7	8	10	16	31	62
*TOTAL EDUCATION	1156	213	43	78	23	102	78	85	534
ENGINEERING									
0902 AEROSPACE,AERONAUT. AND ASTRONAUT. ENG.	48	1	20	0	3	0	2	2	20
0903 AGRICULTURAL ENGINEERING	28	3	9	0	2	0	1	6	7
0904 ARCHITECTURAL ENGINEERING	95	8	29	2	3	0	0	0	53
0905 BIOENGINEERING AND BIOMEDICAL ENGINEERIN	4	0	0	0	0	0	0	1	3
0906 CHEMICAL ENGINEERING	229	36	63	1	2	1	6	12	108
0907 PETROLEUM ENGINEERING	68	4	33	0	1	0	0	1	29
0908 CIVIL,CONSTRUCTION AND TRANSPORTION	286	80	49	5	4	3	5	8	132
0909 ELECTRICAL,ELECTRONICS AND COMMUNICATION	382	87	102	0	0	1	5	25	162
0910 MECHANICAL ENGINEERING	331	114	80	2	0	0	3	14	118
0913 INDUSTRIAL AND MANAGEMENT ENGINEERING	167	36	36	1	4	0	2	10	78
0914 METALLURGICAL ENGINEERING	27	14	6	0	0	0	0	4	3
0915 MATERIALS ENGINEERING	17	0	1	0	0	0	4	4	8
0916 CERAMIC ENGINEERING	32	7	2	1	1	0	1	1	19
0918 MINING AND MINERAL ENGINEERING	150	31	43	4	0	0	7	4	61
0920 NUCLEAR ENGINEERING	31	8	10	1	0	0	0	2	10
0922 ENVIRONMENTAL AND SANITATION ENGINEERING	47	14	8	1	0	0	5	2	17
0925 ENGINEERING TECHNOLOGIES	231	85	72	7	2	0	7	3	55
0999 OTHER	21	4	9	0	0	0	0	3	5
*TOTAL ENGINEERING	2194	532	572	25	22	5	48	102	888
FINE AND APPLIED ARTS									
1001 FINE ARTS,GENERAL	20	0	1	0	2	1	0	2	14
1002 ART	196	17	8	5	3	14	9	13	127
1003 ART HISTORY AND APPRECIATION	25	1	0	2	1	1	2	0	18
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	31	0	1	2	0	2	1	2	23
1005 MUSIC(LIBERAL ARTS PROGRAM)	12	0	0	0	0	0	1	2	9
1006 MUSIC HISTORY AND APPRECIATION	3	0	0	0	0	0	0	0	3

TABLE 30.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
FINE AND APPLIED ARTS									
1007 DRAMATIC ARTS	58	5	7	4	0	4	1	6	31
1009 APPLIED DESIGN	9	1	0	0	0	0	0	0	8
1010 CINEMATOGRAPHY	16	0	0	0	0	3	2	0	11
1011 PHOTOGRAPHY	12	1	0	1	0	0	0	0	10
1099 OTHER	4	0	0	0	1	1	1	0	1
*TOTAL FINE AND APPLIED ARTS	386	25	17	14	7	26	17	25	255
FOREIGN LANGUAGES									
1102 FRENCH	27	0	0	2	4	0	4	2	15
1103 GERMAN	15	2	1	0	0	0	2	4	6
1104 ITALIAN	6	0	0	1	0	0	0	0	5
1105 SPANISH	28	1	1	1	1	2	3	3	16
1106 RUSSIAN	13	1	2	1	0	1	0	1	7
1107 CHINESE	1	0	0	0	0	0	0	0	1
1108 JAPANESE	2	0	0	0	0	0	1	0	1
*TOTAL FOREIGN LANGUAGES	92	4	4	5	5	3	10	10	51
HEALTH PROFESSIONS									
1201 HEALTH PROFESSIONS,GENERAL	33	5	1	1	0	1	0	1	24
1202 HOSPITAL AND HEALTH CARE ADMINISTRATION	137	18	9	13	3	1	23	17	53
1203 NURSING	365	156	22	2	1	9	10	4	161
1208 OCCUPATIONAL THERAPY	18	4	2	0	0	0	0	0	12
1211 PHARMACY	99	35	3	0	0	0	8	4	49
1212 PHYSICAL THERAPY	100	31	14	0	0	1	0	1	53
1223 MEDICAL LABORATORY TECHNOLOGIES	44	16	1	0	0	1	0	0	26
1266 MUSIC THERAPY	4	0	0	0	0	0	0	0	4
1267 CHILD CARE/DEVELOPMENT	34	8	0	1	0	1	1	4	19
1268 HEALTH RECORDS ADMINISTRATION	60	9	5	0	0	1	0	1	44
*TOTAL HEALTH PROFESSIONS	894	282	57	17	4	15	42	32	445
HOME ECONOMICS									
1305 FAMILY RELATIONS AND CHILD DEVELOPMENT	225	45	13	19	11	13	19	11	94
1306 FOODS AND NUTRITION	100	12	15	4	3	4	10	17	35
1307 INSTITUTIONAL AND/OR CAFETERIA MANAGEMEN	126	24	26	4	0	1	5	2	64
*TOTAL HOME ECONOMICS	451	81	54	27	14	18	34	30	193

TABLE 30.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
INTERDISCIPLINARY STUDIES									
4901 GENERAL LIBERAL ARTS AND SCIENCES	335	28	17	26	9	13	24	29	189
4902 BIOLOGICAL AND PHYSICAL SCIENCES	11	2	0	2	0	1	2	1	3
4903 HUMANITIES AND SOCIAL SCIENCES	1	0	0	0	0	0	1	0	0
4950 HUMANITIES	6	1	1	2	0	0	2	0	0
4951 BEHAVIORAL SCIENCES	1	0	0	0	0	0	0	0	1
4999 OTHER	6	0	0	0	0	0	1	2	3
*TOTAL INTERDISCIPLINARY STUDIES	360	31	18	30	9	14	30	32	196
LAW									
1401 LAW,GENERAL	9	0	0	0	0	0	0	3	6
*TOTAL LAW	9	0	0	0	0	0	0	3	6
LETTERS									
1501 ENGLISH,GENERAL	195	11	9	15	6	9	18	13	114
1502 ENGLISH LITERATURE	35	3	0	5	0	0	1	7	19
1503 COMPARATIVE LITERATURE	3	0	0	1	0	0	0	2	0
1504 CLASSICS	6	0	0	0	0	1	1	3	1
1505 LINGUISTICS	5	1	0	0	1	1	0	0	2
1506 SPEECH,DEBATE,AND FORENSIC SCIENCE	303	22	6	31	14	18	33	16	163
1509 PHILOSOPHY	31	1	0	0	1	1	3	4	21
1510 RELIGIOUS STUDIES	9	0	0	2	0	0	1	3	3
1553 CLASSICAL STUDIES	1	0	0	0	0	0	1	0	0
1556 ENGLISH,WRITING	77	7	1	5	3	2	2	3	54
1599 OTHER	45	6	2	6	0	3	11	3	14
*TOTAL LETTERS	710	51	18	65	25	35	71	54	391
MATHEMATICS									
1701 MATHEMATICS, GENERAL	95	14	13	1	2	2	6	16	41
1703 APPLIED MATHEMATICS	18	1	3	1	0	1	1	2	9
*TOTAL MATHEMATICS	113	15	16	2	2	3	7	18	50
PHYSICAL SCIENCES									
1902 PHYSICS, GENERAL	28	4	3	1	0	1	3	5	11

TABLE 30.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
PHYSICAL SCIENCES									
1905 GENERAL CHEMISTRY	179	22	15	2	0	5	17	25	93
1911 ASTRONOMY	6	1	2	1	0	1	0	0	1
1913 ATMOSPHERIC SCIENCES AND METEOROLOGY	46	5	9	2	2	0	6	2	20
1914 GEOLOGY	90	4	21	0	2	0	6	11	46
1917 EARTH SCIENCES, GENERAL	42	5	9	3	2	1	6	0	16
1920 METALLURGY	32	10	4	1	0	0	0	1	16
1999 OTHER	164	4	11	5	4	5	15	49	71
*TOTAL PHYSICAL SCIENCES	587	55	74	15	10	13	53	93	274
PSYCHOLOGY									
2001 GENERAL PSYCHOLOGY	596	31	8	45	14	25	36	71	366
*TOTAL PSYCHOLOGY	596	31	8	45	14	25	36	71	366
PUBLIC AFFAIRS AND SERVICES									
2101 COMMUNITY SERVICES, GENERAL	25	2	1	4	2	1	4	0	11
2102 PUBLIC ADMINISTRATION	36	3	1	3	1	0	0	5	23
2103 PARKS AND RECREATION MANAGEMENT	79	11	10	3	3	6	12	2	32
2104 SOCIAL WORK AND HELPING SERVICES	261	49	2	16	0	16	19	22	137
2105 LAW ENFORCEMENT AND CORRECTIONS	313	47	6	37	5	10	22	23	163
2106 INTERNATIONAL PUBLIC SERVICE	34	0	3	1	1	1	6	5	17
2152 ADMINISTRATION OF JUSTICE	78	8	0	2	0	1	9	1	57
2199 OTHER	54	5	1	1	2	4	6	8	27
*TOTAL PUBLIC AFFAIRS AND SERVICES	880	125	24	67	14	39	78	66	467
SOCIAL SCIENCES									
2201 SOCIAL SCIENCES, GENERAL	107	20	1	16	4	3	14	11	38
2202 ANTHROPOLOGY	55	0	2	6	1	6	5	8	27
2204 ECONOMICS	258	35	9	22	4	11	28	24	125
2205 HISTORY	135	0	5	10	4	5	11	16	84
2206 GEOGRAPHY	51	2	2	5	2	2	7	4	27
2207 POLITICAL SCIENCE AND GOVERNMENT	287	8	5	21	11	9	15	37	181
2208 SOCIOLOGY	116	6	3	14	2	5	4	14	68
2214 URBAN STUDIES	26	0	1	0	0	2	2	3	18
2256 HISTORY/PHILOSOPHY OF SCIENCE	1	0	0	0	1	0	0	0	0
2299 OTHER	62	4	0	4	0	1	7	12	34
*TOTAL SOCIAL SCIENCES	1098	75	28	98	29	44	93	129	602

TABLE 30.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
TOTAL	14039	2462	1366	746	254	470	978	1054	6709

TABLE 30.3

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-AIDED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
AGRICULTURE AND NATURAL RESOURCES									
0102 AGRONOMY	25	11	7	0	1	0	1	4	1
0104 ANIMAL SCIENCE	49	17	11	2	3	0	9	2	5
0105 DAIRY SCIENCE	14	9	2	0	0	0	1	0	2
0108 HORTICULTURE	28	8	10	0	2	0	1	3	4
0109 ORNAMENTAL HORTICULTURE	87	39	26	4	6	0	7	3	2
0113 FOOD SCIENCE AND TECHNOLOGY	16	7	4	1	0	0	1	2	1
*TOTAL AGRICULTURE AND NATURAL RESOURCES	219	91	60	7	12	0	20	14	15
ARCHITECTURE AND ENVIRONMENTAL DESIGN									
0203 INTERIOR DESIGN	9	3	4	0	0	0	0	0	2
*TOTAL ARCHITECTURE AND ENVIRONMENTAL DESIGN	9	3	4	0	0	0	0	0	2
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	31	8	3	2	1	0	1	13	3
0417 CELL BIOLOGY	13	7	3	0	0	0	1	2	0
*TOTAL BIOLOGICAL SCIENCES	44	15	6	2	1	0	2	15	3
BUSINESS AND MANAGEMENT									
0501 BUSINESS AND COMMERCE, GENERAL	68	34	20	0	0	0	6	1	7
0502 ACCOUNTING	138	80	26	0	0	0	3	8	21
0504 BANKING AND FINANCE	18	6	5	0	0	0	0	2	5
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	149	72	29	3	3	2	10	4	26
0509 MARKETING AND PURCHASING	79	34	21	0	0	0	5	4	15
0515 PERSONNEL MANAGEMENT	1	0	1	0	0	0	0	0	0
0599 OTHER	44	14	19	0	0	0	4	0	7
*TOTAL BUSINESS AND MANAGEMENT	497	240	121	3	3	2	28	19	81
COMMUNICATIONS									
0601 GENERAL COMMUNICATIONS	3	0	2	0	0	0	0	0	1
*TOTAL COMMUNICATIONS	3	0	2	0	0	0	0	0	1

TABLE 30.3

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-AIDED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
COMPUTER AND INFORMATION SCIENCES									
0701 COMPUTOR AND INFORMATION SCIENCES,GENERA	24	12	7	0	0	0	1	1	3
*TOTAL COMPUTER AND INFORMATION SCIENCES	24	12	7	0	0	0	1	1	3
ENGINEERING									
0906 CHEMICAL ENGINEERING	66	17	31	0	0	0	0	0	18
0908 CIVIL,CONSTRUCTION AND TRANSPORTION	60	22	22	0	0	0	0	0	16
0909 ELECTRICAL,ELECTRONICS AND COMMUNICATION	69	22	27	0	0	0	0	0	20
0910 MECHANICAL ENGINEERING	64	33	16	0	0	0	0	2	13
0913 INDUSTRIAL AND MANAGEMENT ENGINEERING	24	12	8	0	0	0	0	0	4
0915 MATERIALS ENGINEERING	11	5	3	0	0	0	0	3	0
0917 TEXTILE ENGINEERING	24	1	7	0	0	0	2	2	12
0999 OTHER	14	2	6	0	0	0	2	2	2
*TOTAL ENGINEERING	332	114	120	0	0	0	4	9	85
FINE AND APPLIED ARTS									
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	44	13	9	1	0	0	0	14	11
1008 DANCE	2	1	0	0	0	0	0	0	1
1009 APPLIED DESIGN	58	17	23	0	0	0	8	1	9
*TOTAL FINE AND APPLIED ARTS	104	31	28	1	0	0	8	15	21
HEALTH PROFESSIONS									
1201 HEALTH PROFESSIONS,GENERAL	32	20	0	0	0	0	4	7	1
1203 NURSING	90	61	6	0	0	0	0	10	13
1213 DENTAL HYGIENE	13	11	1	0	0	0	0	1	0
1223 MEDICAL LABORATORY TECHNOLOGIES	48	37	9	0	0	1	1	0	0
1225 RADIOLOGIC TECHNOLOGIES	12	10	1	0	0	0	1	0	0
1299 OTHER	12	7	3	0	0	0	0	1	1
*TOTAL HEALTH PROFESSIONS	207	146	20	0	0	1	6	19	15
HOME ECONOMICS									
1306 FOODS AND NUTRITION	9	4	2	0	0	0	0	0	3
*TOTAL HOME ECONOMICS	9	4	2	0	0	0	0	0	3

TABLE 30.3

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE STATE-AIDED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
MATHEMATICS									
1701 MATHEMATICS, GENERAL	13	7	4	0	0	0	0	0	2
*TOTAL MATHEMATICS	13	7	4	0	0	0	0	0	2
PHYSICAL SCIENCES									
1902 PHYSICS, GENERAL	3	0	2	0	0	0	0	1	0
1905 GENERAL CHEMISTRY	12	2	0	0	0	0	1	3	6
1999 OTHER	9	2	2	0	0	0	1	3	1
*TOTAL PHYSICAL SCIENCES	24	4	4	0	0	0	2	7	7
TOTAL	1485	667	378	13	16	3	71	99	238

TABLE 30.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
AGRICULTURE AND NATURAL RESOURCES									
0114 FORESTRY	5	3	0	0	0	0	0	2	0
0115 NATURAL RESOURCES MANAGEMENT	4	0	0	0	0	0	0	4	0
0199 OTHER	4	1	1	0	1	0	0	1	0
*TOTAL AGRICULTURE AND NATURAL RESOURCES	13	4	1	0	1	0	0	7	0
ARCHITECTURE AND ENVIRONMENTAL DESIGN									
0202 ARCHITECTURE	59	6	11	0	2	0	4	6	30
0203 INTERIOR DESIGN	25	6	4	0	0	0	1	0	14
*TOTAL ARCHITECTURE AND ENVIRONMENTAL DESIGN	84	12	15	0	2	0	5	6	44
AREA STUDIES									
0307 RUSSIAN AND SLAVIC STUDIES	5	1	0	2	0	0	0	2	0
0308 LATIN AMERICAN STUDIES	2	0	0	0	1	0	1	0	0
0310 GENERAL EUROPEAN STUDIES	1	0	0	0	0	0	0	1	0
0311 EASTERN EUROPEAN STUDIES	1	0	0	0	0	0	1	0	0
0313 AMERICAN STUDIES	23	2	1	2	4	1	1	6	6
0399 OTHER	6	0	0	0	3	0	0	0	3
*TOTAL AREA STUDIES	38	3	1	4	8	1	3	9	9
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	1199	146	79	50	39	33	79	574	199
0411 MICROBIOLOGY	7	3	1	0	3	0	0	0	0
0414 BIOCHEMISTRY	59	11	5	0	1	0	0	34	8
0415 BIOPHYSICS	1	0	0	0	0	0	0	0	1
0416 MOLECULAR BIOLOGY	6	2	1	0	0	0	1	2	0
0418 MARINE BIOLOGY	5	0	0	2	0	0	0	3	0
0420 ECOLOGY	22	2	5	1	0	0	2	6	6
0427 EMBRYOLOGY	11	0	0	0	0	0	0	11	0
0499 OTHER	51	5	1	2	2	1	4	24	12
*TOTAL BIOLOGICAL SCIENCES	1361	169	92	55	45	34	86	654	226
BUSINESS AND MANAGEMENT									
0501 BUSINESS AND COMMERCE, GENERAL	703	333	97	25	16	4	115	36	77

TABLE 30.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
BUSINESS AND MANAGEMENT									
0502 ACCOUNTING	1399	568	281	46	14	33	190	67	200
0503 BUSINESS STATISTICS	1	1	0	0	0	0	0	0	0
0504 BANKING AND FINANCE	209	44	53	3	1	8	39	33	28
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	1433	471	217	58	28	31	185	80	363
0507 OPERATIONS RESEARCH	2	1	1	0	0	0	0	0	0
0508 HOTEL AND RESTAURANT MANAGEMENT	13	6	5	0	0	1	1	0	0
0509 MARKETING AND PURCHASING	311	67	49	15	4	18	104	13	41
0511 REAL ESTATE	1	0	1	0	0	0	0	0	0
0512 INSURANCE	6	1	3	0	0	0	0	0	2
0514 SECRETARIAL STUDIES	8	4	1	0	0	1	0	1	1
0515 PERSONNEL MANAGEMENT	4	0	2	1	1	0	0	0	0
0516 LABOR AND INDUSTRIAL RELATIONS	33	9	3	5	3	3	6	3	1
0517 BUSINESS ECONOMICS	223	34	54	4	8	5	23	44	51
0599 OTHER	166	52	8	6	1	0	18	9	72
*TOTAL BUSINESS AND MANAGEMENT	4512	1591	775	163	76	104	681	286	836
COMMUNICATIONS									
0601 GENERAL COMMUNICATIONS	226	44	20	41	16	9	37	28	31
0602 JOURNALISM	81	11	14	28	6	3	6	5	8
0603 RADIO/TELEVISION	18	7	0	0	1	0	0	4	6
0605 COMMUNICATION MEDIA	17	7	2	0	0	0	7	1	0
0699 OTHER	47	9	3	5	0	2	9	2	17
*TOTAL COMMUNICATIONS	389	78	39	74	23	14	59	40	62
COMPUTER AND INFORMATION SCIENCES									
0701 COMPUTOR AND INFORMATION SCIENCES, GENERA	164	69	45	2	0	3	26	5	14
0702 INFORMATION SCIENCES AND SYSTEMS	30	9	9	3	0	1	4	0	4
0703 DATA PROCESSING	4	4	0	0	0	0	0	0	0
0704 COMPUTOR PROGRAMMING	16	11	3	0	0	0	1	0	1
0705 SYSTEMS ANALYSIS	12	11	1	0	0	0	0	0	0
*TOTAL COMPUTER AND INFORMATION SCIENCES	226	104	58	5	0	4	31	5	19
EDUCATION									
0801 GENERAL EDUCATION	25	6	1	2	0	0	0	1	15
0802 ELEMENTARY EDUCATION, GENERAL	471	170	87	28	13	17	52	18	86
0803 SECONDARY EDUCATION, GENERAL	22	7	6	3	1	1	1	2	1

TABLE 30.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
EDUCATION									
0808 SPECIAL EDUCATION, GENERAL	127	51	11	9	3	10	18	10	15
0815 SPEECH CORRECTION	17	2	0	1	0	1	0	8	5
0819 EDUCATION OF THE PHYSICALLY HANDICAPPED	8	6	0	1	1	0	0	0	0
0823 PRE-ELEMENTARY EDUCATION	56	25	9	8	2	5	5	1	1
0824 EDUCATIONAL STATISTICS AND RESEARCH	3	0	0	0	0	0	0	3	0
0831 ART EDUCATION	16	5	0	4	0	0	1	4	2
0832 MUSIC EDUCATION	109	37	8	10	4	17	4	19	10
0833 MATHEMATICS EDUCATION	17	8	2	1	4	0	1	0	1
0834 SCIENCE EDUCATION	1	1	0	0	0	0	0	0	0
0835 PHYSICAL EDUCATION	31	10	8	1	0	3	3	3	3
0837 HEALTH EDUCATION	5	5	0	0	0	0	0	0	0
0838 BUSINESS,COMMERCE,AND DISTRIBUTIVE EDUC.	38	17	2	8	1	0	5	2	3
0870 BIOLOGY EDUCATION	11	3	3	1	1	1	2	0	0
0871 FRENCH EDUCATION	4	1	1	0	0	1	1	0	0
0873 SPANISH EDUCATION	5	1	0	0	0	0	2	2	0
0874 OTHER FOREIGN LANGUAGES	2	1	1	0	0	0	0	0	0
0876 ENGLISH EDUCATION	19	2	0	0	2	2	9	2	2
0878 EARTH/SPACE SCIENCE EDUCATION	1	0	1	0	0	0	0	0	0
0879 CHEMISTRY EDUCATION	3	2	0	0	0	1	0	0	0
0881 SOCIAL STUDIES EDUCATION	17	5	2	1	0	3	4	2	0
0893 HOME ECONOMICS EDUCATION	22	8	1	3	0	1	1	2	6
0899 OTHER	16	9	3	1	0	0	1	0	2
*TOTAL EDUCATION	1046	382	146	82	32	63	110	79	152
ENGINEERING									
0901 ENGINEERING,GENERAL	118	38	51	0	0	0	4	10	15
0906 CHEMICAL ENGINEERING	261	51	151	0	3	0	13	23	20
0908 CIVIL,CONSTRUCTION AND TRANSPORTION	134	22	63	0	0	0	4	22	23
0909 ELECTRICAL,ELECTRONICS AND COMMUNICATION	335	87	157	0	2	0	8	29	52
0910 MECHANICAL ENGINEERING	276	65	139	0	3	0	8	16	45
0913 INDUSTRIAL AND MANAGEMENT ENGINEERING	126	38	47	0	3	0	4	7	27
0914 METALLURGICAL ENGINEERING	86	36	34	0	2	0	3	5	6
0915 MATERIALS ENGINEERING	6	3	1	0	0	0	0	1	1
0919 ENGINEERING PHYSICS	9	2	3	0	0	0	2	1	1
0925 ENGINEERING TECHNOLOGIES	128	44	41	0	1	0	15	1	26
0999 OTHER	37	4	8	0	1	0	4	6	14
*TOTAL ENGINEERING	1516	390	695	0	15	0	65	121	230
FINE AND APPLIED ARTS									
1001 FINE ARTS,GENERAL	148	15	11	16	14	9	6	11	66

TABLE 30.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
FINE AND APPLIED ARTS									
1002 ART	127	16	13	8	6	2	16	13	53
1003 ART HISTORY AND APPRECIATION	42	4	5	5	4	1	7	12	4
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	159	20	15	8	10	12	1	41	52
1005 MUSIC(LIBERAL ARTS PROGRAM)	59	12	3	8	7	4	4	7	14
1007 DRAMATIC ARTS	67	7	13	8	5	1	0	3	30
1008 DANCE	8	1	0	2	1	1	1	2	0
1009 APPLIED DESIGN	101	43	25	3	2	0	3	0	25
1011 PHOTOGRAPHY	6	1	1	0	0	0	0	0	4
1099 OTHER	45	8	7	1	2	1	4	4	18
*TOTAL FINE AND APPLIED ARTS	762	127	93	59	51	31	42	93	266
FOREIGN LANGUAGES									
1101 FOREIGN LANGUAGES,GENERAL	20	1	2	0	8	0	2	2	5
1102 FRENCH	97	7	6	11	20	1	13	16	23
1103 GERMAN	40	0	2	8	2	1	10	6	11
1104 ITALIAN	1	0	0	0	1	0	0	0	0
1105 SPANISH	84	11	10	7	12	7	15	9	13
1106 RUSSIAN	12	0	1	1	4	0	1	2	3
1109 LATIN	2	0	0	0	0	0	0	0	2
1110 CLASICAL GREEK	5	0	2	0	1	0	0	2	0
1111 HEBREW	4	0	0	0	0	0	0	2	2
1112 ARABIC	1	0	1	0	0	0	0	0	0
1113 INDIAN(ASIATIC)	1	0	1	0	0	0	0	0	0
1115 SLAVIC LANGUAGES	1	0	1	0	0	0	0	0	0
1199 OTHER	5	0	1	1	0	0	2	0	1
*TOTAL FOREIGN LANGUAGES	273	19	27	28	48	9	43	39	60
HEALTH PROFESSIONS									
1201 HEALTH PROFESSIONS,GENERAL	29	2	0	0	0	0	0	19	8
1202 HOSPITAL AND HEALTH CARE ADMINISTRATION	64	50	4	0	0	0	4	5	1
1203 NURSING	975	644	134	1	2	9	13	31	141
1208 OCCUPATIONAL THERAPY	22	15	7	0	0	0	0	0	0
1209 OPTOMETRY	1	1	0	0	0	0	0	0	0
1211 PHARMACY	129	45	29	0	0	0	0	40	15
1212 PHYSICAL THERAPY	57	25	31	0	1	0	0	0	0
1213 DENTAL HYGIENE	7	4	0	0	0	0	1	1	1
1215 MEDICAL RECORD LIBRARIANSHIP	20	7	5	1	0	0	1	0	6
1220 SPEECH PATHOLOGY AND AUDIOLOGY	5	1	0	2	0	1	0	1	0
1223 MEDICAL LABORATORY TECHNOLOGIES	84	53	10	2	0	1	1	4	13

TABLE 30.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
HEALTH PROFESSIONS									
1224 DENTAL TECHNOLOGIES	2	2	0	0	0	0	0	0	0
1225 RADIOLOGIC TECHNOLOGIES	19	7	2	1	0	0	0	0	9
1299 OTHER	75	26	18	1	0	0	8	6	16
*TOTAL HEALTH PROFESSIONS	1489	882	240	8	3	11	28	107	210
HOME ECONOMICS									
1301 HOME ECONOMICS,GENERAL	32	9	4	4	1	3	3	3	5
1302 HOME DECORATION AND HOME EQUIPMENT	2	0	0	0	0	0	2	0	0
1303 CLOTHING AND TEXTILES	7	3	2	0	0	0	0	1	1
1304 CONSUMER ECONOMICS AND HOME MANAGEMENT	16	2	0	0	0	1	1	0	12
1306 FOODS AND NUTRITION	65	29	17	3	0	0	3	2	11
1399 OTHER	15	10	0	0	0	2	2	1	0
*TOTAL HOME ECONOMICS	137	53	23	7	1	6	11	7	29
INTERDISCIPLINARY STUDIES									
4901 GENERAL LIBERAL ARTS AND SCIENCES	106	18	8	5	8	5	7	30	25
4902 BIOLOGICAL AND PHYSICAL SCIENCES	1	0	0	0	0	0	0	0	1
4903 HUMANITIES AND SOCIAL SCIENCES	13	0	0	1	3	0	2	5	2
4999 OTHER	117	36	17	13	7	4	9	20	11
*TOTAL INTERDISCIPLINARY STUDIES	237	54	25	19	18	9	18	55	39
LAW									
1401 LAW,GENERAL	10	0	0	0	2	0	0	8	0
1499 OTHER	6	0	0	0	0	0	0	1	5
*TOTAL LAW	16	0	0	0	2	0	0	9	5
LETTERS									
1501 ENGLISH,GENERAL	542	72	73	49	36	20	65	88	139
1502 ENGLISH LITERATURE	73	4	6	7	11	3	12	18	12
1504 CLASSICS	9	0	0	3	1	0	0	3	2
1505 LINGUISTICS	4	0	0	0	0	0	1	2	1
1506 SPEECH,DEBATE AND FORENSIC SCIENCE	31	1	9	2	6	5	0	6	2
1507 CREATIVE WRITING	4	0	0	0	0	0	1	0	3

TABLE 30.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
LETTERS									
1509 PHILOSOPHY	101	3	2	11	11	1	10	35	28
1510 RELIGIOUS STUDIES	146	17	21	17	13	1	14	44	19
1599 OTHER	29	4	10	0	1	0	2	3	9
*TOTAL LETTERS	939	101	121	89	79	30	105	199	215
LIBRARY SCIENCE									
1601 LIBRARY SCIENCE, GENERAL	2	0	0	0	0	0	0	0	2
*TOTAL LIBRARY SCIENCE	2	0	0	0	0	0	0	0	2
MATHEMATICS									
1701 MATHEMATICS, GENERAL	238	74	46	11	6	0	21	38	42
1702 MATHEMATICAL AND THEORETICAL STATISTICS	30	2	10	0	2	0	4	3	9
1703 APPLIED MATHEMATICS	45	11	23	0	1	0	0	6	4
1799 OTHER	8	4	4	0	0	0	0	0	0
*TOTAL MATHEMATICS	321	91	83	11	9	0	25	47	55
PHYSICAL SCIENCES									
1901 PHYSICAL SCIENCES, GENERAL	4	1	0	0	1	0	0	1	1
1902 PHYSICS, GENERAL	116	20	15	2	2	0	8	53	16
1905 GENERAL CHEMISTRY	461	70	57	5	2	7	21	249	50
1907 ORGANIC CHEMISTRY	1	0	0	0	0	0	0	1	0
1911 ASTRONOMY	6	1	3	0	1	0	1	0	0
1914 GEOLOGY	104	8	26	3	3	0	5	33	26
1917 EARTH SCIENCES, GENERAL	12	4	2	0	0	1	0	5	0
1999 OTHER	39	0	2	0	0	0	2	33	2
*TOTAL PHYSICAL SCIENCES	743	104	105	10	9	8	37	375	95
PSYCHOLOGY									
2001 GENERAL PSYCHOLOGY	963	144	69	107	73	41	107	224	198
2004 PSYCHOLOGY FOR COUNSELING	28	11	3	3	1	0	1	6	3
2099 OTHER	13	4	1	4	0	2	0	1	1
*TOTAL PSYCHOLOGY	1004	159	73	114	74	43	108	231	202

TABLE 30.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR BACCALAUREATE DEGREE RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
PUBLIC AFFAIRS AND SERVICES									
2102 PUBLIC ADMINISTRATION	54	4	1	8	0	2	7	16	16
2103 PARKS AND RECREATION MANAGEMENT	24	5	5	1	0	0	2	3	8
2104 SOCIAL WORK AND HELPING SERVICES	448	119	29	36	11	11	38	70	134
2105 LAW ENFORCEMENT AND CORRECTIONS	278	54	31	29	22	11	26	23	82
2106 INTERNATIONAL PUBLIC SERVICE	3	0	1	0	0	0	0	2	0
2199 OTHER	13	6	0	4	0	1	1	1	0
*TOTAL PUBLIC AFFAIRS AND SERVICES	820	188	67	78	33	25	74	115	240
SOCIAL SCIENCES									
2201 SOCIAL SCIENCES, GENERAL	100	16	11	13	10	0	12	19	19
2202 ANTHROPOLOGY	27	0	4	3	2	0	0	11	7
2203 ARCHAEOLOGY	8	0	0	0	4	0	0	4	0
2204 ECONOMICS	466	102	83	25	25	2	29	74	126
2205 HISTORY	415	34	26	42	49	14	47	118	85
2206 GEOGRAPHY	5	0	0	0	0	0	0	1	4
2207 POLITICAL SCIENCE AND GOVERNMENT	619	37	28	61	69	9	63	217	135
2208 SOCIOLOGY	321	44	12	47	24	7	41	56	90
2209 CRIMINOLOGY	50	12	5	2	6	5	11	7	2
2210 INTERNATIONAL RELATIONS	51	3	5	2	4	1	8	16	12
2211 AFRO-AMERICAN STUDIES	1	0	0	0	0	0	0	0	1
2212 AMERICAN INDIAN CULTURAL STUDIES	2	0	0	0	1	0	0	1	0
2214 URBAN STUDIES	8	0	1	0	1	0	1	2	3
2215 DEMOGRAPHY	7	1	0	1	2	0	0	0	3
2299 OTHER	79	14	10	6	10	2	4	17	16
*TOTAL SOCIAL SCIENCES	2159	263	185	202	207	40	216	543	503
THEOLOGY									
2301 THEOLOGICAL PROFESSIONS, GENERAL	79	6	11	16	3	2	2	23	16
2302 RELIGIOUS MUSIC	16	3	4	3	0	0	0	1	5
2304 RELIGIOUS EDUCATION	66	8	12	18	4	1	3	7	13
2399 OTHER	27	2	2	8	3	0	0	8	4
*TOTAL THEOLOGY	188	19	29	45	10	3	5	39	38
TOTAL	18275	4793	2893	1053	746	435	1752	3066	3537

TABLE 31.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
AGRICULTURE AND NATURAL RESOURCES									
0102 AGRONOMY	13	0	1	0	0	0	1	3	8
0104 ANIMAL SCIENCE	11	0	1	0	0	0	0	2	8
0105 DAIRY SCIENCE	4	0	1	0	0	0	0	0	3
0107 FISH,GAME, AND WILDLIFE MANAGEMENT	10	1	1	1	1	0	1	0	5
0108 HORTICULTURE	12	0	0	0	0	0	1	2	9
0111 AGRICULTURAL ECONOMICS	20	1	3	0	0	0	1	1	14
0113 FOOD SCIENCE AND TECHNOLOGY	3	0	0	0	0	0	0	1	2
0115 NATURAL RESOURCES MANAGEMENT	6	0	0	1	0	0	0	0	5
*TOTAL AGRICULTURE AND NATURAL RESOURCES	79	2	7	2	1	0	4	9	54
ARCHITECTURE AND ENVIRONMENTAL DESIGN									
0201 GENERAL ENVIRONMENTAL DESIGN	6	1	2	0	0	0	0	1	2
0202 ARCHITECTURE	9	3	1	0	0	0	0	0	5
0206 CITY,COMMUNITY,AND REGIONAL PLANNING	41	6	1	0	0	0	1	0	33
*TOTAL ARCHITECTURE AND ENVIRONMENTAL DESIGN	56	10	4	0	0	0	1	1	40
AREA STUDIES									
0302 EAST ASIAN STUDIES	1	0	0	0	0	0	1	0	0
0313 AMERICAN STUDIES	10	3	1	0	0	0	3	0	3
*TOTAL AREA STUDIES	11	3	1	0	0	0	4	0	3
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	58	8	2	1	2	0	1	7	37
0402 GENERAL BOTANY	2	0	1	0	0	0	0	0	1
0404 PLANT PATHOLOGY	8	1	0	0	0	0	0	1	6
0407 GENERAL ZOOLOGY	1	0	0	0	0	0	0	1	0
0408 PATHOLOGY,HUMAN AND ANIMAL	12	9	2	0	0	0	0	1	0
0409 PHARMACOLOGY,HUMAN AND ANIMAL	7	2	1	0	1	0	0	1	2
0410 PHYSIOLOGY,HUMAN AND ANIMAL	14	1	0	0	0	0	2	5	6
0411 MICROBIOLOGY	7	2	1	0	0	0	0	1	3
0412 ANATOMY	1	0	0	0	0	0	0	0	1
0414 BIOCHEMISTRY	11	4	2	0	0	0	1	0	4
0415 BIOPHYSICS	6	0	1	0	0	0	0	1	4
0420 ECOLOGY	5	0	1	1	0	0	0	1	2
0421 ENTOMOLOGY	11	1	1	0	0	0	0	3	6
0422 GENETICS	4	0	0	0	0	0	0	1	3

TABLE 31.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED		EMPLOYED IN OTHER FIELD		EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
		IN PA.	OUTSIDE PA.	IN PA.	OUTSIDE PA.				
BIOLOGICAL SCIENCES									
0423 RADIOBIOLOGY	2	1	1	0	0	0	0	0	0
0426 TOXICOLOGY	5	1	3	0	0	0	0	0	1
0450 PHARMACOGNOSY	2	0	0	0	0	0	0	0	2
0499 OTHER	15	5	3	0	0	0	0	1	6
*TOTAL BIOLOGICAL SCIENCES	171	35	19	2	3	0	4	24	84
BUSINESS AND MANAGEMENT									
0501 BUSINESS AND COMMERCE,GENERAL	166	48	16	13	3	6	6	4	70
0502 ACCOUNTING	84	21	8	1	2	0	3	2	47
0503 BUSINESS STATISTICS	5	0	0	0	0	0	0	1	4
0504 BANKING AND FINANCE	100	24	10	6	0	0	5	1	54
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	851	149	134	9	4	2	15	12	526
0507 OPERATIONS RESEARCH	9	0	2	0	0	0	0	2	5
0509 MARKETING AND PURCHASING	53	13	3	2	0	0	2	1	32
0511 REAL ESTATE	1	0	0	0	0	0	1	0	0
0512 INSURANCE	8	3	0	0	0	0	0	0	5
0513 INTERNATIONAL BUSINESS	5	1	3	0	0	0	1	0	0
0515 PERSONNEL MANAGEMENT	29	17	3	6	2	0	0	1	0
0516 LABOR AND INDUSTRIAL RELATIONS	54	25	6	11	4	0	0	0	8
0517 BUSINESS ECONOMICS	10	2	0	0	0	0	0	3	5
0556 ACTUARIAL SCIENCES	3	1	0	0	1	0	0	0	1
0599 OTHER	1	0	0	0	0	0	0	0	1
*TOTAL BUSINESS AND MANAGEMENT	1379	304	185	48	16	8	33	27	758
COMMUNICATIONS									
0601 GENERAL COMMUNICATIONS	29	6	6	1	0	0	1	0	15
0602 JOURNALISM	30	6	2	1	0	0	1	1	19
0603 RADIO/TELEVISION	3	0	0	0	0	0	0	0	3
0605 COMMUNICATION MEDIA	21	3	1	4	0	0	4	0	9
*TOTAL COMMUNICATIONS	83	15	9	6	0	0	6	1	46
COMPUTER AND INFORMATION SCIENCES									
0701 COMP TOR AND INFORMATION SCIENCES,GENERA	66	16	6	1	1	0	2	9	31
0702 INFORMATION SCIENCES AND SYSTEMS	62	5	6	0	0	0	5	5	41
*TOTAL COMPUTER AND INFORMATION SCIENCES	128	21	12	1	1	0	7	14	72

TABLE 31.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

EDUCATION	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
0801 GENERAL EDUCATION	153	34	8	4	0	4	1	0	102
0802 ELEMENTARY EDUCATION, GENERAL	354	135	20	3	4	3	6	3	180
0803 SECONDARY EDUCATION, GENERAL	85	15	5	6	0	5	1	2	51
0805 HIGHER EDUCATION, GENERAL	8	1	0	0	0	0	1	0	6
0807 ADULT AND CONTINUING EDUCATION	13	7	2	2	0	0	0	2	0
0808 SPECIAL EDUCATION, GENERAL	425	102	28	5	0	4	5	15	266
0810 EDUCATION OF THE MENTALLY RETARDED	60	25	9	4	0	1	1	0	20
0812 EDUCATION OF THE DEAF	8	2	2	0	0	0	1	0	3
0815 SPEECH CORRECTION	117	53	19	3	1	0	5	0	36
0821 SOCIAL FOUNDATIONS	11	1	1	0	0	0	0	0	9
0822 EDUCATIONAL PSYCHOLOGY	65	10	3	2	2	2	3	4	39
0823 PRE-ELEMENTARY EDUCATION	4	3	1	0	0	0	0	0	0
0824 EDUCATIONAL STATISTICS AND RESEARCH	5	0	0	0	0	0	0	0	5
0825 EDUCAT. TESTING,EVALUATION AND MEASUREME	20	5	10	0	0	1	1	3	0
0826 STUDENT PERSONNEL	487	114	41	47	8	8	22	10	237
0827 EDUCATIONAL ADMINISTRATION	96	24	2	2	0	0	0	1	67
0828 EDUCATIONAL SUPERVISION	21	0	0	0	0	0	0	0	21
0829 CURRICULUM AND INSTRUCTION	162	9	4	1	0	1	2	2	143
0830 READING EDUCATION	362	99	16	29	5	10	7	0	196
0831 ART EDUCATION	41	8	1	0	0	1	3	2	26
0832 MUSIC EDUCATION	67	14	7	2	0	4	1	1	38
0833 MATHEMATICS EDUCATION	13	9	1	0	0	0	0	0	3
0834 SCIENCE EDUCATION	13	5	1	1	0	0	0	0	6
0835 PHYSICAL EDUCATION	106	26	5	4	0	7	3	3	58
0837 HEALTH EDUCATION	26	7	1	0	1	3	0	0	14
0838 BUSINESS,COMMERCE,AND DISTRIBUTIVE EDUC.	39	9	2	1	0	0	0	0	27
0839 INDUSTRIAL ARTS,VOCATIONAL,AND TECH. EDU	61	36	2	0	0	1	1	1	20
0850 SOCIAL STUDIES	4	2	0	0	0	0	0	0	2
0851 EARLY CHILDHOOD EDUCATION	23	6	1	0	0	1	2	0	13
0853 SCHOOL PSYCHOLOGY	30	9	1	0	0	0	1	5	14
0860 INSTRUCTIONAL MEDIA	35	7	2	0	0	1	2	1	22
0863 URBAN EDUCATION	2	0	0	0	0	0	0	0	2
0864 HEALTH,PHYS. ED., AND RECREATIONAL ED.	50	6	5	2	0	1	2	0	34
0865 INTERNATIONAL EDUCATION	8	0	0	0	0	0	0	0	8
0870 BIOLOGY EDUCATION	6	4	0	0	0	0	0	0	2
0873 SPANISH EDUCATION	1	1	0	0	0	0	0	0	0
0876 ENGLISH EDUCATION	12	5	0	0	0	0	2	1	4
0878 EARTH/SPACE SCIENCE EDUCATION	4	3	1	0	0	0	0	0	0
0879 CHEMISTRY EDUCATION	2	2	0	0	0	0	0	0	0
0881 SOCIAL STUDIES EDUCATION	2	0	0	0	0	0	0	0	2
0893 HOME ECONOMICS EDUCATION	11	4	1	0	0	1	0	0	5
0899 OTHER	48	10	5	2	0	0	2	1	28
*TOTAL EDUCATION	3060	812	207	120	21	59	75	57	1709

TABLE 31.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
ENGINEERING									
0901 ENGINEERING,GENERAL	14	6	2	0	0	0	0	2	4
0902 AEROSPACE-AERONAUT. AND ASTRONAUT. ENG.	7	0	1	0	0	0	0	0	6
0903 AGRICULTURAL ENGINEERING	4	1	0	0	0	0	0	0	3
0904 ARCHITECTURAL ENGINEERING	4	0	1	0	0	0	0	0	3
0905 BIOENGINEERING AND BIOMEDICAL ENGINEERIN	2	0	1	0	0	0	0	1	0
0906 CHEMICAL ENGINEERING	52	12	12	0	0	0	0	7	21
0907 PETROLEUM ENGINEERING	8	1	1	0	0	0	0	0	6
0908 CIVIL,CONSTRUCTION AND TRANSPORTION	79	26	13	0	0	0	0	6	34
0909 ELECTRICAL,ELECTRONICS AND COMMUNICATION	77	23	18	0	0	0	0	16	20
0910 MECHANICAL ENGINEERING	68	15	12	0	0	0	0	7	34
0913 INDUSTRIAL AND MANAGEMENT ENGINEERING	94	31	9	1	0	1	2	3	47
0914 METALLURGICAL ENGINEERING	21	5	6	0	0	0	0	6	4
0915 MATERIALS ENGINEERING	6	0	0	0	0	0	1	0	5
0916 CERAMIC ENGINEERING	9	0	0	0	0	0	0	1	8
0918 MINING AND MINERAL ENGINEERING	13	1	3	0	0	0	1	2	6
0920 NUCLEAR ENGINEERING	14	4	0	0	0	0	0	2	8
0921 ENGINEERING MECHANICS	1	0	0	0	0	0	0	0	1
0922 ENVIRONMENTAL AND SANITATION ENGINEERING	8	0	0	0	0	0	0	0	8
0925 ENGINEERING TECHNOLOGIES	1	0	0	0	0	0	0	0	1
0952 CIVIL/URBAN ENGINEERING	1	0	0	0	0	0	0	0	1
0999 OTHER	33	10	0	1	0	0	1	0	21
*TOTAL ENGINEERING	516	135	79	2	0	1	5	53	241
FINE AND APPLIED ARTS									
1002 ART	34	6	3	1	0	2	0	0	22
1003 ART HISTORY AND APPRECIATION	9	1	0	0	0	1	0	1	6
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	74	18	6	2	3	3	4	3	35
1005 MUSIC(LIBERAL ARTS PROGRAM)	9	2	1	0	0	0	0	0	6
1006 MUSIC HISTORY AND APPRECIATION	3	0	0	0	0	0	0	0	3
1007 DRAMATIC ARTS	60	5	12	1	0	1	2	0	39
1008 DANCE	5	0	1	0	0	0	0	0	4
1011 PHOTOGRAPHY	2	1	0	0	0	1	0	0	0
1055 OPERA	4	0	1	0	0	0	1	0	2
1057 PRINT MAKING	2	0	0	0	0	0	0	0	2
*TOTAL FINE AND APPLIED ARTS	202	33	24	4	3	8	7	4	119
FOREIGN LANGUAGES									
1102 FRENCH	12	0	2	0	0	0	0	0	10
1103 GERMAN	11	1	0	0	0	0	0	0	10

TABLE 31.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
FOREIGN LANGUAGES									
1104 ITALIAN	3	0	0	0	0	0	0	0	3
1105 SPANISH	22	1	0	0	1	0	1	0	19
1115 SLAVIC LANGUAGES	2	0	0	0	0	1	0	0	1
*TOTAL FOREIGN LANGUAGES	50	2	2	0	1	1	1	0	43
HEALTH PROFESSIONS									
1201 HEALTH PROFESSIONS,GENERAL	35	0	0	0	0	0	0	0	35
1202 HOSPITAL AND HEALTH CARE ADMINISTRATION	31	8	5	0	0	1	0	1	16
1203 NURSING	83	13	5	0	0	0	0	0	65
1205 DENTAL SPECIALTIES	11	0	0	0	0	0	0	0	11
1207 MEDICAL SPECIALTIES	2	0	0	0	0	0	0	0	2
1211 PHARMACY	21	5	2	0	0	0	0	0	14
1214 PUBLIC HEALTH	135	0	0	0	0	0	0	0	135
1220 SPEECH PATHOLOGY AND AUDIOLOGY	87	22	5	0	0	1	0	0	59
1222 CLINICAL SOCIAL WORK	3	1	1	0	0	0	0	0	1
1223 MEDICAL LABORATORY TECHNOLOGIES	1	0	0	0	0	0	0	0	1
1225 RADIOLOGIC TECHNOLOGIES	1	0	0	0	0	0	0	0	1
1267 CHILD CARE/DEVELOPMENT	15	0	0	0	0	0	0	0	15
1299 OTHER	2	1	0	0	0	0	0	0	1
*TOTAL HEALTH PROFESSIONS	427	50	18	0	0	2	0	1	356
HOME ECONOMICS									
1301 HOME ECONOMICS,GENERAL	1	1	0	0	0	0	0	0	0
1305 FAMILY RELATIONS AND CHILD DEVELOPMENT	6	0	0	0	0	0	0	0	6
1306 FOODS AND NUTRITION	20	2	1	0	0	1	3	2	11
1399 OTHER	1	1	0	0	0	0	0	0	0
*TOTAL HOME ECONOMICS	28	4	1	0	0	1	3	2	17
INTERDISCIPLINARY STUDIES									
4901 GENERAL LIBERAL ARTS AND SCIENCES	1	0	0	0	0	0	0	1	0
4902 BIOLOGICAL AND PHYSICAL SCIENCES	1	1	0	0	0	0	0	0	0
4999 OTHER	48	19	4	5	0	0	1	2	17
*TOTAL INTERDISCIPLINARY STUDIES	50	20	4	5	0	0	1	3	17

TABLE 31.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
LAW									
1401 LAW,GENERAL	186	12	34	0	0	0	0	6	134
1499 OTHER	186	12	34	0	0	0	0	6	134
*TOTAL LAW	372	24	68	0	0	0	0	12	268
LETTERS									
1501 ENGLISH,GENERAL	104	15	4	4	1	2	6	4	68
1502 ENGLISH LITERATURE	6	0	1	0	0	0	0	4	1
1503 COMPARATIVE LITERATURE	2	0	0	0	0	0	0	0	2
1504 CLASSICS	2	0	0	0	0	0	0	0	2
1505 LINGUISTICS	9	0	0	0	0	0	0	1	8
1506 SPEECH,DEBATE,AND FORENSIC SCIENCE	27	2	0	0	0	1	0	1	23
1508 TEACHING OF ENGLISH AS A FOREIGN LANGUAG	5	0	0	0	0	0	0	0	5
1509 PHILOSOPHY	36	0	0	0	2	0	0	4	30
1510 RELIGIOUS STUDIES	58	10	2	0	0	5	1	13	27
1553 CLASSICAL STUDIES	1	1	0	0	0	0	0	0	0
1599 OTHER	3	0	0	0	0	1	0	1	1
*TOTAL LETTERS	253	28	7	4	3	9	7	28	167
LIBRARY SCIENCE									
1601 LIBRARY SCIENCE, GENERAL	146	11	7	0	0	1	10	0	117
*TOTAL LIBRARY SCIENCE	146	11	7	0	0	1	10	0	117
MATHEMATICS									
1701 MATHEMATICS, GENERAL	58	17	3	0	1	0	3	10	24
1702 MATHEMATICAL AND THEORETICAL STATISTICS	22	1	4	0	0	0	0	5	12
*TOTAL MATHEMATICS	80	18	7	0	1	0	3	15	36
PHYSICAL SCIENCES									
1901 PHYSICAL SCIENCES, GENERAL	18	0	1	0	0	0	0	7	10
1902 PHYSICS, GENERAL	25	1	4	0	0	0	0	2	18
1905 GENERAL CHEMISTRY	56	8	6	2	1	0	0	10	29
1910 PHARMACEUTICAL CHEMISTRY	2	0	0	0	0	0	0	0	2
1913 ATMOSPHERIC SCIENCES AND METEOROLOGY	17	2	6	0	1	0	1	1	6

TABLE 31.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
PHYSICAL SCIENCES									
1914 GEOLOGY	13	1	0	0	0	0	0	1	11
1916 GEOPHYSICS AND SEISMOLOGY	8	0	4	0	0	0	0	1	3
1917 EARTH SCIENCES, GENERAL	10	3	1	1	0	0	0	2	3
1920 METALLURGY	7	1	0	0	0	0	0	0	6
1999 OTHER	14	0	3	0	0	1	0	2	8
*TOTAL PHYSICAL SCIENCES	170	16	25	3	2	1	1	26	96
PSYCHOLOGY									
2001 GENERAL PSYCHOLOGY	123	21	7	6	3	0	4	21	61
2003 CLINICAL PSYCHOLOGY	24	3	2	0	0	0	0	3	16
2004 PSYCHOLOGY FOR COUNSELING	17	4	2	0	0	0	0	1	10
2005 SOCIAL PSYCHOLOGY	24	8	4	0	0	0	2	0	10
2007 STATISTICS IN PSYCHOLOGY	2	0	0	0	0	0	0	0	2
2099 OTHER	2	0	0	0	0	0	0	0	2
*TOTAL PSYCHOLOGY	192	36	15	6	3	0	6	25	101
PUBLIC AFFAIRS AND SERVICES									
2101 COMMUNITY SERVICES, GENERAL	37	7	0	1	2	3	0	10	14
2102 PUBLIC ADMINISTRATION	360	66	39	9	10	3	16	4	213
2103 PARKS AND RECREATION MANAGEMENT	22	2	7	1	1	1	0	2	8
2104 SOCIAL WORK AND HELPING SERVICES	318	59	7	5	1	5	9	1	231
2105 LAW ENFORCEMENT AND CORRECTIONS	31	10	[illegible]	0	0	1	1	0	12
2106 INTERNATIONAL PUBLIC SERVICE	47	0	0	0	0	0	0	0	47
2152 ADMINISTRATION OF JUSTICE	9	0	0	0	0	0	1	0	8
2199 OTHER	3	1	0	0	1	0	0	0	1
*TOTAL PUBLIC AFFAIRS AND SERVICES	827	145	60	16	15	13	27	17	534
SOCIAL SCIENCES									
2201 SOCIAL SCIENCES, GENERAL	7	4	1	0	0	0	0	1	1
2202 ANTHROPOLOGY	21	0	2	1	0	0	0	4	14
2204 ECONOMICS	36	1	1	0	0	0	1	2	31
2205 HISTORY	76	11	5	2	0	0	6	4	48
2206 GEOGRAPHY	19	2	1	2	2	0	1	2	9
2207 POLITICAL SCIENCE AND GOVERNMENT	36	5	1	1	1	0	2	3	23
2208 SOCIOLOGY	17	1	2	0	0	0	0	1	13
2209 CRIMINOLOGY	10	3	1	0	0	0	0	0	6

TABLE 31.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
SOCIAL SCIENCES									
2214 URBAN STUDIES	5	0	0	0	0	1	0	0	4
2256 HISTORY/PHILOSOPHY OF SCIENCE	5	0	0	0	0	0	0	0	5
2299 OTHER	6	2	0	0	0	0	0	0	4
*TOTAL SOCIAL SCIENCES	238	29	14	6	3	1	10	17	158
THEOLOGY									
2301 THEOLOGICAL PROFESSIONS, GENERAL	13	4	3	5	1	0	0	0	0
2304 RELIGIOUS EDUCATION	10	3	4	0	0	0	0	1	2
*TOTAL THEOLOGY	23	7	7	5	1	0	0	1	2
TOTAL	8541	1760	782	230	74	105	215	337	5038

TABLE 31.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	39	7	2	1	1	0	1	3	24
0499 OTHER	2	1	0	0	0	0	0	0	1
*TOTAL BIOLOGICAL SCIENCES	41	8	2	1	1	0	1	3	25
BUSINESS AND MANAGEMENT									
0501 BUSINESS AND COMMERCE,GENERAL	95	29	7	6	1	1	1	0	50
0502 ACCOUNTING	28	5	0	0	1	0	2	2	18
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	23	7	1	0	0	0	0	0	15
0516 LABOR AND INDUSTRIAL RELATIONS	5	2	2	0	0	0	0	0	1
*TOTAL BUSINESS AND MANAGEMENT	151	43	10	6	2	1	3	2	84
COMMUNICATIONS									
0601 GENERAL COMMUNICATIONS	24	5	6	1	0	0	1	0	11
0605 COMMUNICATION MEDIA	21	3	1	4	0	0	4	0	9
*TOTAL COMMUNICATIONS	45	8	7	5	0	0	5	0	20
EDUCATION									
0801 GENERAL EDUCATION	32	6	1	0	0	0	0	0	25
0802 ELEMENTARY EDUCATION, GENERAL	185	105	9	2	0	3	2	1	63
0803 SECONDARY EDUCATION, GENERAL	9	0	0	0	0	0	0	0	9
0807 ADULT AND CONTINUING EDUCATION	13	7	2	2	0	0	0	2	0
0808 SPECIAL EDUCATION, GENERAL	135	58	10	2	0	2	2	1	60
0810 EDUCATION OF THE MENTALLY RETARDED	45	24	7	4	0	0	1	0	9
0812 EDUCATION OF THE DEAF	8	2	2	0	0	0	1	0	3
0815 SPEECH CORRECTION	91	50	9	3	1	0	4	0	24
0822 EDUCATIONAL PSYCHOLOGY	24	7	3	0	0	0	2	0	12
0823 PRE-ELEMENTARY EDUCATION	4	3	1	0	0	0	0	0	0
0826 STUDENT PERSONNEL	251	65	25	40	5	3	13	2	98
0827 EDUCATIONAL ADMINISTRATION	47	12	0	2	0	0	0	0	33
0830 READING EDUCATION	223	75	7	25	1	5	3	0	107
0831 ART EDUCATION	11	6	1	0	0	0	1	0	3
0832 MUSIC EDUCATION	41	7	2	2	0	2	0	0	28
0833 MATHEMATICS EDUCATION	10	8	1	0	0	0	0	0	1
0834 SCIENCE EDUCATION	4	1	1	0	0	0	0	0	2
0835 PHYSICAL EDUCATION	49	14	4	2	0	4	0	1	24
0837 HEALTH EDUCATION	14	4	0	0	0	3	0	0	7

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TABLE 31.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
EDUCATION									
0838 BUSINESS,COMMERCE,AND DISTRIBUTIVE EDUC.	13	5	1	1	0	0	0	0	6
0839 INDUSTRIAL ARTS,VOCATIONAL,AND TECH. EDU	22	19	2	0	0	0	0	0	1
0850 SOCIAL STUDIES	1	0	0	0	0	0	0	0	1
0851 EARLY CHILDHOOD EDUCATION	11	4	1	0	0	0	2	0	4
0853 SCHOOL PSYCHOLOGY	10	6	1	0	0	0	0	0	3
0860 INSTRUCTIONAL MEDIA	12	2	0	0	0	0	0	0	10
0870 BIOLOGY EDUCATION	5	3	0	0	0	0	0	0	2
0873 SPANISH EDUCATION	1	1	0	0	0	0	0	0	0
0876 ENGLISH EDUCATION	8	3	0	0	0	0	1	1	3
0879 CHEMISTRY EDUCATION	2	2	0	0	0	0	0	0	0
0881 SOCIAL STUDIES EDUCATION	2	0	0	0	0	0	0	0	2
0893 HOME ECONOMICS EDUCATION	8	4	1	0	0	1	0	0	2
0899 OTHER	9	3	1	0	0	0	1	0	4
*TOTAL EDUCATION	1300	506	92	85	7	23	33	8	546
FINE AND APPLIED ARTS									
1002 ART	14	4	3	0	0	1	0	0	6
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	12	5	2	0	0	0	0	0	5
1005 MUSIC(LIBERAL ARTS PROGRAM)	3	2	1	0	0	0	0	0	0
*TOTAL FINE AND APPLIED ARTS	29	11	6	0	0	1	0	0	11
FOREIGN LANGUAGES									
1102 FRENCH	6	0	2	0	0	0	0	0	4
1105 SPANISH	2	0	0	0	1	0	0	0	1
*TOTAL FOREIGN LANGUAGES	8	0	2	0	1	0	0	0	5
HEALTH PROFESSIONS									
1203 NURSING	11	7	0	0	0	0	0	0	4
1220 SPEECH PATHOLOGY AND AUDIOLOGY	27	6	1	0	0	0	0	0	20
1222 CLINICAL SOCIAL WORK	3	1	1	0	0	0	0	0	1
*TOTAL HEALTH PROFESSIONS	41	14	2	0	0	0	0	0	25
HOME ECONOMICS									
1301 HOME ECONOMICS,GENERAL	1	1	0	0	0	0	0	0	0

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TABLE 31.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
HOME ECONOMICS									
1399 OTHER	1	1	0	0	0	0	0	0	0
*TOTAL HOME ECONOMICS	2	2	0	0	0	0	0	0	0
INTERDISCIPLINARY STUDIES									
4901 GENERAL LIBERAL ARTS AND SCIENCES	1	0	0	0	0	0	0	1	0
4902 BIOLOGICAL AND PHYSICAL SCIENCES	1	1	0	0	0	0	0	0	0
4999 OTHER	4	0	0	0	0	0	0	1	3
*TOTAL INTERDISCIPLINARY STUDIES	6	1	0	0	0	0	0	2	3
LETTERS									
1501 ENGLISH, GENERAL	47	8	3	3	0	0	2	2	29
1502 ENGLISH LITERATURE	1	0	0	0	0	0	0	0	1
1508 TEACHING OF ENGLISH AS A FOREIGN LANGUAG	5	0	0	0	0	0	0	0	5
1509 PHILOSOPHY	2	0	0	0	0	0	0	0	2
*TOTAL LETTERS	55	8	3	3	0	0	2	2	37
LIBRARY SCIENCE									
1601 LIBRARY SCIENCE, GENERAL	39	7	4	0	0	1	1	0	26
*TOTAL LIBRARY SCIENCE	39	7	4	0	0	1	1	0	26
MATHEMATICS									
1701 MATHEMATICS, GENERAL	21	10	2	0	0	0	0	0	9
*TOTAL MATHEMATICS	21	10	2	0	0	0	0	0	9
PHYSICAL SCIENCES									
1901 PHYSICAL SCIENCES, GENERAL	5	0	0	0	0	0	0	0	5
1902 PHYSICS, GENERAL	2	1	1	0	0	0	0	0	0
1905 GENERAL CHEMISTRY	7	3	0	0	0	0	0	0	4
1914 GEOLOGY	1	1	0	0	0	0	0	0	0
1917 EARTH SCIEN... , GENERAL	9	3	1	1	0	0	0	1	3

TABLE 31.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE STATE COLLEGES AND UNIVERSITY IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
*TOTAL PHYSICAL SCIENCES	24	8	2	1	0	0	0	1	12
PSYCHOLOGY									
2001 GENERAL PSYCHOLOGY	66	21	7	5	0	0	2	3	28
2003 CLINICAL PSYCHOLOGY	15	3	2	0	0	0	0	0	10
2005 SOCIAL PSYCHOLOGY	9	5	4	0	0	0	0	0	0
*TOTAL PSYCHOLOGY	90	29	13	5	0	0	2	3	38
PUBLIC AFFAIRS AND SERVICES									
2102 PUBLIC ADMINISTRATION	27	9	2	3	3	0	1	2	7
2103 PARKS AND RECREATION MANAGEMENT	3	0	2	0	0	0	0	0	1
2105 LAW ENFORCEMENT AND CORRECTIONS	17	4	1	0	0	0	0	0	12
*TOTAL PUBLIC AFFAIRS AND SERVICES	47	13	5	3	3	0	1	2	20
SOCIAL SCIENCES									
2201 SOCIAL SCIENCES, GENERAL	4	3	0	0	0	0	0	0	1
2205 HISTORY	29	5	0	1	0	0	2	0	21
2206 GEOGRAPHY	11	1	0	2	2	0	1	1	4
2207 POLITICAL SCIENCE AND GOVERNMENT	15	4	1	1	0	0	1	1	7
2208 SOCIOLOGY	2	1	0	0	0	0	0	0	1
2209 CRIMINOLOGY	10	3	1	0	0	0	0	0	6
2299 OTHER	3	2	0	0	0	0	0	0	1
*TOTAL SOCIAL SCIENCES	74	19	2	4	2	0	4	2	41
TOTAL	1973	687	152	113	16	26	52	25	902

TABLE 31.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
AGRICULTURE AND NATURAL RESOURCES									
0102 AGRONOMY	13	0	1	0	0	0	1	3	8
0104 ANIMAL SCIENCE	11	0	1	0	0	0	0	2	8
0105 DAIRY SCIENCE	4	0	1	0	0	0	0	0	3
0107 FISH,GAME, AND WILDLIFE MANAGEMENT	10	1	1	1	1	0	1	0	5
0108 HORTICULTURE	12	0	0	0	0	0	1	2	9
0111 AGRICULTURAL ECONOMICS	20	1	3	0	0	0	1	1	14
0113 FOOD SCIENCE AND TECHNOLOGY	3	0	0	0	0	0	0	1	2
0115 NATURAL RESOURCES MANAGEMENT	6	0	0	1	0	0	0	0	5
*TOTAL AGRICULTURE AND NATURAL RESOURCES	79	2	7	2	1	0	4	9	54
ARCHITECTURE AND ENVIRONMENTAL DESIGN									
0202 ARCHITECTURE	1	0	0	0	0	0	0	0	1
0206 CITY,COMMUNITY,AND REGIONAL PLANNING	41	6	1	0	0	0	1	0	33
*TOTAL ARCHITECTURE AND ENVIRONMENTAL DESIGN	42	6	1	0	0	0	1	0	34
AREA STUDIES									
0302 EAST ASIAN STUDIES	1	0	0	0	0	0	1	0	0
0313 AMERICAN STUDIES	10	3	1	0	0	0	3	0	3
*TOTAL AREA STUDIES	11	3	1	0	0	0	4	0	3
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	11	0	0	0	0	0	0	2	9
0402 GENERAL BOTANY	2	0	1	0	0	0	0	0	1
0404 PLANT PATHOLOGY	8	1	0	0	0	0	0	1	6
0407 GENERAL ZOOLOGY	1	0	0	0	0	0	0	1	0
0409 PHARMACOLOGY,HUMAN AND ANIMAL	2	0	0	0	0	0	0	0	2
0410 PHYSIOLOGY,HUMAN AND ANIMAL	12	1	0	0	0	0	1	4	6
0411 MICROBIOLOGY	2	0	0	0	0	0	0	0	2
0412 ANATOMY	1	0	0	0	0	0	0	0	1
0415 BIOPHYSICS	6	0	1	0	0	0	0	1	4
0420 ECOLOGY	5	0	1	1	0	0	0	1	2
0421 ENTOMOLOGY	11	1	1	0	0	0	0	3	6
0422 GENETICS	4	0	0	0	0	0	0	1	3
0459 PHARMACOGNOSY	2	0	0	0	0	0	0	0	2
0499 OTHER	6	0	0	0	0	0	0	1	5
*TOTAL BIOLOGICAL SCIENCES	73	3	4	1	0	0	1	15	49

TABLE 31.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
BUSINESS AND MANAGEMENT									
0502 ACCOUNTING	41	8	5	1	0	0	1	0	26
0503 BUSINESS STATISTICS	5	0	0	0	0	0	0	1	4
0504 BANKING AND FINANCE	64	18	4	6	0	0	0	1	35
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	585	58	47	6	2	0	10	5	457
0507 OPERATIONS RESEARCH	5	0	2	0	0	0	0	0	3
0509 MARKETING AND PURCHASING	43	9	2	2	0	0	0	0	30
0511 REAL ESTATE	1	0	0	0	0	0	1	0	0
0512 INSURANCE	8	3	0	0	0	0	0	0	5
0513 INTERNATIONAL BUSINESS	5	1	3	0	0	0	1	0	0
0516 LABOR AND INDUSTRIAL RELATIONS	12	1	1	2	1	0	0	0	7
0517 BUSINESS ECONOMICS	7	2	0	0	0	0	0	0	5
0556 ACTUARIAL SCIENCES	3	1	0	0	1	0	0	0	1
*TOTAL BUSINESS AND MANAGEMENT	779	101	64	17	4	0	13	7	573
COMMUNICATIONS									
0601 GENERAL COMMUNICATIONS	5	1	0	0	0	0	0	0	4
0602 JOURNALISM	30	6	2	1	0	0	1	1	19
0603 RADIO/TELEVISION	3	0	0	0	0	0	0	0	3
*TOTAL COMMUNICATIONS	38	7	2	1	0	0	1	1	26
COMPUTER AND INFORMATION SCIENCES									
0701 COMPUTOR AND INFORMATION SCIENCES,GENERA	57	15	5	1	1	0	2	3	30
0702 INFORMATION SCIENCES AND SYSTEMS	60	5	6	0	0	0	5	3	41
*TOTAL COMPUTER AND INFORMATION SCIENCES	117	20	11	1	1	0	7	6	71
EDUCATION									
0801 GENERAL EDUCATION	102	19	2	4	0	4	1	0	72
0802 ELEMENTARY EDUCATION, GENERAL	138	24	4	1	0	0	4	2	103
0803 SECONDARY EDUCATION, GENERAL	55	13	1	1	0	1	1	0	38
0805 HIGHER EDUCATION, GENERAL	8	1	0	0	0	1	0	0	6
0808 SPECIAL EDUCATION, GENERAL	185	27	10	2	0	2	3	1	140
0810 EDUCATION OF THE MENTALLY RETARDED	15	1	2	0	0	1	0	0	11
0815 SPEECH CORRECTION	26	3	10	0	0	0	1	0	12
0821 SOCIAL FOUNDATIONS	11	1	1	0	0	0	0	0	9
0822 EDUCATIONAL PSYCHOLOGY	41	3	0	2	2	2	1	4	27
0824 EDUCATIONAL STATISTICS AND RESEARCH	5	0	0	0	0	0	0	0	5

TABLE 31.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
EDUCATION									
0826 STUDENT PERSONNEL	151	19	8	2	0	2	6	3	111
0827 EDUCATIONAL ADMINISTRATION	41	10	1	0	0	0	0	1	29
0828 EDUCATIONAL SUPERVISION	21	0	0	0	0	0	0	0	21
0829 CURRICULUM AND INSTRUCTION	162	9	4	1	0	1	2	2	143
0830 READING EDUCATION	97	12	0	3	0	2	3	0	77
0831 ART EDUCATION	29	2	0	0	0	1	2	2	22
0832 MUSIC EDUCATION	18	4	0	0	0	2	1	1	10
0833 MATHEMATICS EDUCATION	2	0	0	0	0	0	0	0	2
0834 SCIENCE EDUCATION	9	4	0	1	0	0	0	0	4
0835 PHYSICAL EDUCATION	57	12	1	2	0	3	3	2	34
0837 HEALTH EDUCATION	12	3	1	0	1	0	0	0	7
0838 BUSINESS,COMMERCE,AND DISTRIBUTIVE EDUC.	26	4	1	0	0	0	0	0	21
0839 INDUSTRIAL ARTS,VOCATIONAL,AND TECH. EDU	39	17	0	0	0	1	1	1	19
0850 SOCIAL STUDIES	3	2	0	0	0	0	0	0	1
0851 EARLY CHILDHOOD EDUCATION	12	2	0	0	0	1	0	0	9
0853 SCHOOL PSYCHOLOGY	20	3	0	0	0	0	1	5	11
0860 INSTRUCTIONAL MEDIA	23	5	2	0	0	1	2	1	12
0863 URBAN EDUCATION	2	0	0	0	0	0	0	0	2
0864 HEALTH,PHYS. ED., AND RECREATIONAL ED.	50	6	5	2	0	1	2	0	34
0865 INTERNATIONAL EDUCATION	8	0	0	0	0	0	0	0	8
0893 HOME ECONOMICS EDUCATION	3	0	0	0	0	0	0	0	3
0899 OTHER	33	6	4	0	0	0	1	1	21
*TOTAL EDUCATION	1404	212	57	21	3	25	36	26	1024
ENGINEERING									
0901 ENGINEERING,GENERAL	9	2	1	0	0	0	0	2	4
0902 AEROSPACE,AERONAUT. AND ASTRONAUT. ENG.	7	0	1	0	0	0	0	0	6
0903 AGRICULTURAL ENGINEERING	4	1	0	0	0	0	0	0	3
0904 ARCHITECTURAL ENGINEERING	4	0	1	0	0	0	0	0	3
0905 BIOENGINEERING AND BIOMEDICAL ENGINEERIN	1	0	1	0	0	0	0	0	0
0906 CHEMICAL ENGINEERING	22	5	2	0	0	0	0	4	11
0907 PETROLEUM ENGINEERING	8	1	1	0	0	0	0	0	6
0908 CIVIL,CONSTRUCTION AND TRANSPORTION	53	22	5	0	0	0	0	3	23
0909 ELECTRICAL,ELECTRONICS AND COMMUNICATION	29	12	3	0	0	0	0	4	10
0910 MECHANICAL ENGINEERING	41	12	3	0	0	0	0	3	23
0913 INDUSTRIAL AND MANAGEMENT ENGINEERING	85	31	4	1	0	1	1	3	44
0914 METALLURGICAL ENGINEERING	6	3	2	0	0	0	0	1	0
0915 MATERIALS ENGINEERING	6	0	0	0	0	0	1	0	5
0916 CERAMIC ENGINEERING	9	0	0	0	0	0	0	1	8
0918 MINING AND MINERAL ENGINEERING	13	1	3	0	0	0	1	2	6
0920 NUCLEAR ENGINEERING	11	2	0	0	0	0	0	2	7
0921 ENGINEERING MECHANICS	1	0	0	0	0	0	0	0	1

TABLE 31.2

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RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
ENGINEERING									
0922 ENVIRONMENTAL AND SANITATION ENGINEERING	8	0	0	0	0	0	0	0	8
0925 ENGINEERING TECHNOLOGIES	1	0	0	0	0	0	0	0	1
0952 CIVIL/URBAN ENGINEERING	1	0	0	0	0	0	0	0	1
0999 OTHER	30	10	0	1	0	0	0	0	19
*TOTAL ENGINEERING	349	102	27	2	0	1	3	25	189
FINE AND APPLIED ARTS									
1002 ART	20	2	0	1	0	1	0	0	16
1003 ART HISTORY AND APPRECIATION	9	1	0	0	0	1	0	1	6
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	29	2	1	1	0	3	1	0	21
1005 MUSIC(LIBERAL ARTS PROGRAM)	6	0	0	0	0	0	0	0	6
1006 MUSIC HISTORY AND APPRECIATION	3	0	0	0	0	0	0	0	3
1007 DRAMATIC ARTS	33	0	3	0	0	1	1	0	28
1011 PHOTOGRAPHY	2	1	0	0	0	1	0	0	0
1055 OPERA	4	0	1	0	0	0	1	0	2
1057 PRINT MAKING	2	0	0	0	0	0	0	0	2
*TOTAL FINE AND APPLIED ARTS	108	6	5	2	0	7	3	1	84
FOREIGN LANGUAGES									
1102 FRENCH	6	0	0	0	0	0	0	0	6
1103 GERMAN	11	1	0	0	0	0	0	0	10
1104 ITALIAN	3	0	0	0	0	0	0	0	3
1105 SPANISH	20	1	0	0	0	0	1	0	18
1115 SLAVIC LANGUAGES	2	0	0	0	0	1	0	0	1
*TOTAL FOREIGN LANGUAGES	42	2	0	0	0	1	1	0	38
HEALTH PROFESSIONS									
1201 HEALTH PROFESSIONS,GENERAL	35	0	0	0	0	0	0	0	35
1202 HOSPITAL AND HEALTH CARE ADMINISTRATION	27	5	4	0	0	1	0	1	16
1203 NURSING	66	4	2	0	0	0	0	0	60
1205 DENTAL SPECIALTIES	11	0	0	0	0	0	0	0	11
1207 MEDICAL SPECIALTIES	2	0	0	0	0	0	0	0	2
1211 PHARMACY	19	3	2	0	0	0	0	0	14
1214 PUBLIC HEALTH	135	0	0	0	0	0	0	0	135
1220 SPEECH PATHOLOGY AND AUDIOLOGY	48	9	0	0	0	0	0	0	39
1223 MEDICAL LABORATORY TECHNOLOGIES	1	0	0	0	0	0	0	0	1

TABLE 31.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
HEALTH PROFESSIONS									
1225 RADIOLOGIC TECHNOLOGIES	1	0	0	0	0	0	0	0	1
1267 CHILD CARE/DEVELOPMENT	15	0	0	0	0	0	0	0	15
1299 OTHER	2	1	0	0	0	0	0	0	1
*TOTAL HEALTH PROFESSIONS	362	22	8	0	0	1	0	1	330
HOME ECONOMICS									
1305 FAMILY RELATIONS AND CHILD DEVELOPMENT	6	0	0	0	0	0	0	0	6
1306 FOODS AND NUTRITION	20	2	1	0	0	1	3	2	11
*TOTAL HOME ECONOMICS	26	2	1	0	0	1	3	2	17
INTERDISCIPLINARY STUDIES									
4999 OTHER	44	19	4	5	0	0	1	1	14
*TOTAL INTERDISCIPLINARY STUDIES	44	19	4	5	0	0	1	1	14
LETTERS									
1501 ENGLISH,GENERAL	40	1	1	1	1	1	3	2	30
1503 COMPARATIVE LITERATURE	2	0	0	0	0	0	0		2
1504 CLASSICS	2	0	0	0	0	0	0	0	2
1505 LINGUISTICS	9	0	0	0	0	0	0	1	8
1506 SPEECH,DEBATE,AND FORENSIC SCIENCE	27	2	0	0	0	1	0	1	23
1509 PHILOSOPHY	26	0	0	0	0	0	0	1	25
1510 RELIGIOUS STUDIES	13	0	0	0	0	0	0	3	10
1553 CLASSICAL STUDIES	1	1	0	0	0	0	0	0	0
1599 OTHER	3	0	0	0	0	1	0	1	1
*TOTAL LETTERS	123	4	1	1	1	3	3	9	101
LIBRARY SCIENCE									
1601 LIBRARY SCIENCE, GENERAL	104	4	3	0	0	0	9	0	88
*TOTAL LIBRARY SCIENCE	104	4	3	0	0	0	9	0	88
MATHEMATICS									
1701 MATHEMATICS, GENERAL	28	6	1	0	1	0	3	2	15

TABLE 31.2

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	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
MATHEMATICS									
1702 MATHEMATICAL AND THEORETICAL STATISTICS	16	1	3	0	0	0	0	1	11
*TOTAL MATHEMATICS	44	7	4	0	1	0	3	3	26
PHYSICAL SCIENCES									
1902 PHYSICS, GENERAL	22	0	3	0	0	0	0	2	17
1905 GENERAL CHEMISTRY	31	1	6	0	1	0	0	2	21
1910 PHARMACEUTICAL CHEMISTRY	2	0	0	0	0	0	0	0	2
1913 ATMOSPHERIC SCIENCES AND METEOROLOGY	17	2	6	0	1	0	1	1	6
1914 GEOLOGY	10	0	0	0	0	0	0	1	9
1916 GEOPHYSICS AND SEISMOLOGY	8	0	4	0	0	0	0	1	3
1917 EARTH SCIENCES, GENERAL	1	0	0	0	0	0	0	1	0
1920 METALLURGY	7	1	0	0	0	0	0	0	6
1999 OTHER	14	0	3	0	0	1	0	2	8
*TOTAL PHYSICAL SCIENCES	112	4	22	0	2	1	1	10	72
PSYCHOLOGY									
2001 GENERAL PSYCHOLOGY	25	0	0	1	0	0	0	3	21
2003 CLINICAL PSYCHOLOGY	9	0	0	0	0	0	0	3	6
2004 PSYCHOLOGY FOR COUNSELING	17	4	2	0	0	0	0	1	10
2005 SOCIAL PSYCHOLOGY	15	3	0	0	0	0	2	0	10
2007 STATISTICS IN PSYCHOLOGY	2	0	0	0	0	0	0	0	2
2099 OTHER	2	0	0	0	0	0	0	0	2
*TOTAL PSYCHOLOGY	70	7	2	1	0	0	2	7	51
PUBLIC AFFAIRS AND SERVICES									
2101 COMMUNITY SERVICES, GENERAL	12	0	0	0	2	0	0	1	9
2102 PUBLIC ADMINISTRATION	282	40	15	5	7	2	7	0	206
2103 PARKS AND RECREATION MANAGEMENT	19	2	5	1	1	1	0	2	7
2104 SOCIAL WORK AND HELPING SERVICES	281	40	3	3	0	5	7	1	222
2106 INTERNATIONAL PUBLIC SERVICE	47	0	0	0	0	0	0	0	47
2152 ADMINISTRATION OF JUSTICE	9	0	0	0	0	0	1	0	8
2199 OTHER	3	1	0	0	1	0	0	0	1
*TOTAL PUBLIC AFFAIRS AND SERVICES	653	83	23	9	11	8	15	4	500

TABLE 31.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE STATE-RELATED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
SOCIAL SCIENCES									
2202 ANTHROPOLOGY	21	0	2	1	0	0	0	4	14
2204 ECONOMICS	36	1	1	0	0	0	1	2	31
2205 HISTORY	18	0	0	1	0	0	1	1	15
2206 GEOGRAPHY	8	1	1	0	0	0	0	1	5
2207 POLITICAL SCIENCE AND GOVERNMENT	18	0	0	0	0	0	1	2	15
2208 SOCIOLOGY	11	0	0	0	0	0	0	1	10
2214 URBAN STUDIES	5	0	0	0	0	1	0	0	4
2256 HISTORY/PHILOSOPHY OF SCIENCE	5	0	0	0	0	0	0	0	5
2299 OTHER	3	0	0	0	0	0	0	0	3
*TOTAL SOCIAL SCIENCES	125	2	4	2	0	1	3	11	102
TOTAL	4705	618	251	65	24	49	114	138	3446

TABLE 31.3

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE STATE-AIDED INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
BIOLOGICAL SCIENCES									
0408 PATHOLOGY,HUMAN AND ANIMAL	12	9	2	0	0	0	0	1	0
0409 PHARMACOLOGY,HUMAN AND ANIMAL	1	0	0	0	0	0	0	1	0
0410 PHYSIOLOGY,HUMAN AND ANIMAL	2	0	0	0	0	0	1	1	0
0411 MICROBIOLOGY	5	2	1	0	0	0	0	1	1
0414 BIOCHEMISTRY	5	3	1	0	0	0	1	0	0
0423 RADIOBIOLOGY	2	1	1	0	0	0	0	0	0
0426 TOXICOLOGY	4	1	3	0	0	0	0	0	0
0499 OTHER	7	4	3	0	0	0	0	0	0
*TOTAL BIOLOGICAL SCIENCES	38	20	11	0	0	0	2	4	1
FINE AND APPLIED ARTS									
1008 DANCE	5	0	1	0	0	0	0	0	4
*TOTAL FINE AND APPLIED ARTS	5	0	1	0	0	0	0	0	4
HEALTH PROFESSIONS									
1220 SPEECH PATHOLOGY AND AUDIOLOGY	12	7	4	0	0	1	0	0	0
*TOTAL HEALTH PROFESSIONS	12	7	4	0	0	1	0	0	0
PUBLIC AFFAIRS AND SERVICES									
2102 PUBLIC ADMINISTRATION	19	9	3	1	0	1	5	0	0
2104 SOCIAL WORK AND HELPING SERVICES	3	1	1	0	0	0	1	0	0
2105 LAW ENFORCEMENT AND CORRECTIONS	14	6	6	0	0	1	1	0	0
*TOTAL PUBLIC AFFAIRS AND SERVICES	36	16	10	1	0	2	7	0	0
TOTAL	91	43	26	1	0	3	9	4	5

TABLE 31.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
ARCHITECTURE AND ENVIRONMENTAL DESIGN									
0201 GENERAL ENVIRONMENTAL DESIGN	6	1	2	0	0	0	0	1	2
0202 ARCHITECTURE	8	3	1	0	0	0	0	0	4
*TOTAL ARCHITECTURE AND ENVIRONMENTAL DESIGN	14	4	3	0	0	0	0	1	6
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	8	1	0	0	1	0	0	2	4
0409 PHARMACOLOGY,HUMAN AND ANIMAL	4	2	1	0	1	0	0	0	0
0414 BIOCHEMISTRY	6	1	1	0	0	0	0	0	4
0426 TOXICOLOGY	1	0	0	0	0	0	0	0	1
*TOTAL BIOLOGICAL SCIENCES	19	4	2	0	2	0	0	2	9
BUSINESS AND MANAGEMENT									
0501 BUSINESS AND COMMERCE,GENERAL	71	19	9	7	2	5	5	4	20
0502 ACCOUNTING	15	8	3	0	1	0	0	0	3
0504 BANKING AND FINANCE	36	6	6	0	0	0	5	0	19
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	243	84	86	3	2	2	5	7	54
0507 OPERATIONS RESEARCH	4	0	0	0	0	0	0	2	2
0509 MARKETING AND PURCHASING	10	4	1	0	0	0	2	1	2
0515 PERSONNEL MANAGEMENT	29	17	3	6	2	0	0	1	0
0516 LABOR AND INDUSTRIAL RELATIONS	37	22	3	9	3	0	0	0	0
0517 BUSINESS ECONOMICS	3	0	0	0	0	0	0	3	0
0599 OTHER	1	0	0	0	0	0	0	0	1
*TOTAL BUSINESS AND MANAGEMENT	449	160	111	25	10	7	17	18	101
COMPUTER AND INFORMATION SCIENCES									
0701 COMPUTOR AND INFORMATION SCIENCES,GENERA	9	1	1	0	0	0	0	6	1
0702 INFORMATION SCIENCES AND SYSTEMS	2	0	0	0	0	0	0	2	0
*TOTAL COMPUTER AND INFORMATION SCIENCES	11	1	1	0	0	0	0	8	1
EDUCATION									
0801 GENERAL EDUCATION	19	9	5	0	0	0	0	0	5
0802 ELEMENTARY EDUCATION, GENERAL	31	6	7	0	4	0	0	0	14
0803 SECONDARY EDUCATION, GENERAL	21	2	4	5	0	4	0	2	4

TABLE 31.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
EDUCATION									
0808 SPECIAL EDUCATION, GENERAL	105	17	8	1	0	0	0	13	66
0825 EDUCAT. TESTING,EVALUATION AND MEASUREME	20	5	10	0	0	1	1	3	0
0826 STUDENT PERSONNEL	85	30	8	5	3	3	3	5	28
0827 EDUCATIONAL ADMINISTRATION	8	2	1	0	0	0	0	0	5
0830 READING EDUCATION	42	12	9	1	4	3	1	0	12
0831 ART EDUCATION	1	0	0	0	0	0	0	0	1
0832 MUSIC EDUCATION	8	3	5	0	0	0	0	0	0
0833 MATHEMATICS EDUCATION	1	1	0	0	0	0	0	0	0
0870 BIOLOGY EDUCATION	1	1	0	0	0	0	0	0	0
0876 ENGLISH EDUCATION	4	2	0	0	0	0	1	0	1
0878 EARTH/SPACE SCIENCE EDUCATION	4	3	1	0	0	0	0	0	0
0899 OTHER	6	1	0	2	0	0	0	0	3
*TOTAL EDUCATION	356	94	58	14	11	11	6	23	139
ENGINEERING									
0901 ENGINEERING,GENERAL	5	4	1	0	0	0	0	0	0
0905 BIOENGINEERING AND BIOMEDICAL ENGINEERIN	1	0	0	0	0	0	0	1	0
0906 CHEMICAL ENGINEERING	30	7	10	0	0	0	0	3	10
0908 CIVIL,CONSTRUCTION AND TRANSPORTION	26	4	8	0	0	0	0	3	11
0909 ELECTRICAL,ELECTRONICS AND COMMUNICATION	48	11	15	0	0	0	0	12	10
0910 MECHANICAL ENGINEERING	27	3	9	0	0	0	0	4	11
0913 INDUSTRIAL AND MANAGEMENT ENGINEERING	9	0	5	0	0	0	1	0	3
0914 METALLURGICAL ENGINEERING	15	2	4	0	0	0	0	5	4
0920 NUCLEAR ENGINEERING	3	2	0	0	0	0	0	0	1
0999 OTHER	3	0	0	0	0	0	1	0	2
*TOTAL ENGINEERING	167	33	52	0	0	0	2	28	52
FINE AND APPLIED ARTS									
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	33	11	3	1	3	0	3	3	9
1007 DRAMATIC ARTS	27	5	9	1	0	0	1	0	11
*TOTAL FINE AND APPLIED ARTS	60	16	12	2	3	0	4	3	20
HEALTH PROFESSIONS									
1202 HOSPITAL AND HEALTH CARE ADMINISTRATION	4	3	1	0	0	0	0	0	0
1203 NURSING	6	2	3	0	0	0	0	0	1
1211 PHARMACY	2	2	0	0	0	0	0	0	0

TABLE 31.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
*TOTAL HEALTH PROFESSIONS	12	7	4	0	0	0	0	0	1
LAW									
1401 LAW,GENERAL	186	12	34	0	0	0	0	6	134
1499 OTHER	186	12	34	0	0	0	0	6	134
*TOTAL LAW	372	24	68	0	0	0	0	12	268
LETTERS									
1501 ENGLISH,GENERAL	17	6	0	0	0	1	1	0	9
1502 ENGLISH LITERATURE	5	0	1	0	0	0	0	4	0
1509 PHILOSOPHY	8	0	0	0	2	0	0	3	3
1510 RELIGIOUS STUDIES	45	10	2	0	0	5	1	10	17
*TOTAL LETTERS	75	16	3	0	2	6	2	17	29
LIBRARY SCIENCE									
1601 LIBRARY SCIENCE, GENERAL	3	0	0	0	0	0	0	0	3
*TOTAL LIBRARY SCIENCE	3	0	0	0	0	0	0	0	3
MATHEMATICS									
1701 MATHEMATICS, GENERAL	9	1	0	0	0	0	0	8	0
1702 MATHEMATICAL AND THEORETICAL STATISTICS	6	0	1	0	0	0	0	4	1
*TOTAL MATHEMATICS	15	1	1	0	0	0	0	12	1
PHYSICAL SCIENCES									
1901 PHYSICAL SCIENCES, GENERAL	13	0	1	0	0	0	0	7	5
1902 PHYSICS, GENERAL	1	0	0	0	0	0	0	0	1
1905 GENERAL CHEMISTRY	18	4	0	2	0	0	0	8	4
1914 GEOLOGY	2	0	0	0	0	0	0	0	2
*TOTAL PHYSICAL SCIENCES	34	4	1	2	0	0	0	15	12
PSYCHOLOGY									
2001 GENERAL PSYCHOLOGY	32	0	0	0	3	0	2	15	12

TABLE 31.4

EMPLOYMENT STATUS BY DEGREE FIELD FOR MASTER
RECIPIENTS FOR THE PRIVATE INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
*TOTAL PSYCHOLOGY	32	0	0	0	3	0	2	15	12
PUBLIC AFFAIRS AND SERVICES									
2101 COMMUNITY SERVICES, GENERAL	25	7	0	1	0	3	0	9	5
2102 PUBLIC ADMINISTRATION	32	8	19	0	0	0	3	2	0
2104 SOCIAL WORK AND HELPING SERVICES	34	18	3	2	1	0	1	0	9
*TOTAL PUBLIC AFFAIRS AND SERVICES	91	33	22	3	1	3	4	11	14
SOCIAL SCIENCES									
2201 SOCIAL SCIENCES, GENERAL	3	1	1	0	0	0	0	1	0
2205 HISTORY	29	6	5	0	0	0	3	3	12
2207 POLITICAL SCIENCE AND GOVERNMENT	3	1	0	0	1	0	0	0	1
2208 SOCIOLOGY	4	0	2	0	0	0	0	0	2
*TOTAL SOCIAL SCIENCES	39	8	8	0	1	0	3	4	15
THEOLOGY									
2301 THEOLOGICAL PROFESSIONS, GENERAL	13	4	3	5	1	0	0	0	0
2304 RELIGIOUS EDUCATION	10	3	4	0	0	0	0	1	2
*TOTAL THEOLOGY	23	7	7	5	1	0	0	1	2
TOTAL	1772	412	353	51	34	27	40	170	685

TABLE 32.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR DOCTORAL
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
AGRICULTURE AND NATURAL RESOURCES									
0102 AGRONOMY	2	0	1	0	0	0	0	0	1
0104 ANIMAL SCIENCE	5	0	0	0	0	0	0	0	5
0108 HORTICULTURE	5	0	2	0	0	0	0	0	3
0111 AGRICULTURAL ECONOMICS	5	0	0	0	0	0	0	0	5
0113 FOOD SCIENCE AND TECHNOLOGY	1	0	0	0	0	0	0	0	1
0115 NATURAL RESOURCES MANAGEMENT	1	0	0	0	0	0	0	0	1
*TOTAL AGRICULTURE AND NATURAL RESOURCES	19	0	3	0	0	0	0	0	16
AREA STUDIES									
0309 MIDDLE EASTERN STUDIES	1	0	0	0	1	0	0	0	0
0399 OTHER	2	1	1	0	0	0	0	0	0
*TOTAL AREA STUDIES	3	1	1	0	1	0	0	0	0
BIOLOGICAL SCIENCES									
0401 GENERAL BIOLOGY	19	0	3	0	0	0	1	2	13
0402 GENERAL BOTANY	2	0	0	0	0	0	0	0	2
0404 PLANT PATHOLOGY	1	0	0	0	0	0	0	0	1
0408 PATHOLOGY,HUMAN AND ANIMAL	2	0	0	0	0	0	0	0	2
0409 PHARMACOLOGY,HUMAN AND ANIMAL	10	1	1	0	1	0	0	0	7
0410 PHYSIOLOGY,HUMAN AND ANIMAL	12	1	5	0	0	0	1	0	5
0411 MICROBIOLOGY	19	3	11	0	0	0	0	0	5
0412 ANATOMY	4	0	1	0	0	0	0	1	2
0414 BIOCHEMISTRY	14	2	6	0	0	0	0	0	6
0415 BIOPHYSICS	2	0	0	0	0	0	0	0	2
0420 ECOLOGY	3	0	0	0	0	0	0	0	3
0421 ENTOMOLOGY	2	0	0	0	0	0	0	0	2
0422 GENETICS	5	1	0	0	0	0	0	0	4
0450 PHARMACOGNOSY	2	0	0	0	0	0	0	0	2
0499 OTHER	3	0	0	0	0	0	0	0	3
*TOTAL BIOLOGICAL SCIENCES	100	8	27	0	1	0	2	3	59
BUSINESS AND MANAGEMENT									
0506 BUSINESS MANAGEMENT AND ADMINISTRATION	22	1	8	0	0	0	0	0	13
0512 INSURANCE	1	0	0	0	0	0	0	0	1
0515 PERSONNEL MANAGEMENT	1	0	1	0	0	0	0	0	0
0517 BUSINESS ECONOMICS	8	0	4	0	0	0	0	0	4

TABLE 32.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR DOCTORAL
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
BUSINESS AND MANAGEMENT									
0599 OTHER	1	1	0	0	0	0	0	0	0
*TOTAL BUSINESS AND MANAGEMENT	33	2	13	0	0	0	0	0	18
COMMUNICATIONS									
0601 GENERAL COMMUNICATIONS	1	0	0	0	0	0	0	0	1
0602 JOURNALISM	1	0	0	0	0	0	0	0	1
0603 RADIO/TELEVISION	1	0	0	0	0	0	0	0	1
*TOTAL COMMUNICATIONS	3	0	0	0	0	0	0	0	3
COMPUTER AND INFORMATION SCIENCES									
0701 COMPUTOR AND INFORMATION SCIENCES,GENERA	17	0	9	0	0	0	0	0	8
0702 INFORMATION SCIENCES AND SYSTEMS	1	0	0	0	0	0	0	0	1
*TOTAL COMPUTER AND INFORMATION SCIENCES	18	0	9	0	0	0	0	0	9
EDUCATION									
0801 GENERAL EDUCATION	8	0	0	1	0	0	0	0	7
0802 ELEMENTARY EDUCATION, GENERAL	14	3	1	1	0	0	1	0	8
0803 SECONDARY EDUCATION, GENERAL	4	2	0	0	0	0	0	0	2
0805 HIGHER EDUCATION, GENERAL	33	2	1	0	0	0	0	0	30
0808 SPECIAL EDUCATION, GENERAL	13	1	0	0	0	0	0	0	12
0815 SPEECH CORRECTION	2	0	1	0	0	0	0	0	1
0821 SOCIAL FOUNDATIONS	11	1	0	0	0	0	0	0	10
0822 EDUCATIONAL PSYCHOLOGY	31	7	2	0	0	3	0	0	19
0824 EDUCATIONAL STATISTICS AND RESEARCH	4	0	0	0	0	0	0	0	4
0826 STUDENT PERSONNEL	33	4	2	0	0	1	0	0	26
0827 EDUCATIONAL ADMINISTRATION	47	11	2	1	0	0	1	0	32
0828 EDUCATIONAL SUPERVISION	22	0	0	0	0	0	0	0	22
0829 CURRICULUM AND INSTRUCTION	39	3	4	2	1	1	2	0	26
0830 READING EDUCATION	17	4	0	0	0	1	0	0	12
0831 ART EDUCATION	11	0	3	0	0	0	1	0	7
0832 MUSIC EDUCATION	9	3	3	0	0	0	0	0	3
0833 MATHEMATICS EDUCATION	3	2	0	0	0	0	0	1	0
0834 SCIENCE EDUCATION	3	1	0	0	0	0	0	0	2
0835 PHYSICAL EDUCATION	16	1	4	0	0	0	0	0	11
0837 HEALTH EDUCATION	7	3	0	0	0	0	0	0	4
0838 BUSINESS,COMMERCE,AND DISTRIBUTIVE EDUC.	5	0	4	0	0	0	0	0	1

TABLE 32.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR DOCTORAL
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
EDUCATION									
0839 INDUSTRIAL ARTS,VOCATIONAL,AND TECH. EDU	23	7	2	0	1	0	0	0	13
0850 SOCIAL STUDIES	2	2	0	0	0	0	0	0	0
0851 EARLY CHILDHOOD EDUCATION	5	1	1	0	0	0	0	0	3
0853 SCHOOL PSYCHOLOGY	4	1	0	0	0	1	0	0	2
0860 INSTRUCTIONAL MEDIA	2	0	0	0	0	0	0	0	2
0863 URBAN EDUCATION	9	2	0	0	0	0	0	0	7
0864 HEALTH,PHYS. ED., AND RECREATIONAL ED.	5	0	0	0	0	1	0	0	4
0865 INTERNATIONAL EDUCATION	8	0	0	0	0	0	0	0	8
0899 OTHER	8	0	1	0	0	0	0	0	7
*TOTAL EDUCATION	398	61	31	5	2	8	5	1	285
ENGINEERING									
0906 CHEMICAL ENGINEERING	15	0	10	0	0	0	0	0	5
0907 PETROLEUM ENGINEERING	1	0	0	0	0	0	0	0	1
0908 CIVIL,CONSTRUCTION AND TRANSPORTION	8	0	3	0	0	0	0	0	5
0909 ELECTRICAL,ELECTRONICS AND COMMUNICATION	19	4	5	0	0	0	0	0	10
0910 MECHANICAL ENGINEERING	10	1	2	0	0	0	0	0	7
0913 INDUSTRIAL AND MANAGEMENT ENGINEERING	8	0	2	0	0	0	0	0	6
0914 METALLURGICAL ENGINEERING	10	1	7	0	0	0	0	0	2
0915 MATERIALS ENGINEERING	1	0	0	0	0	0	0	0	1
0916 CERAMIC ENGINEERING	5	1	1	0	0	0	0	0	3
0918 MINING AND MINERAL ENGINEERING	4	0	0	0	0	0	0	0	4
0920 NUCLEAR ENGINEERING	6	2	0	0	0	0	0	0	4
0921 ENGINEERING MECHANICS	1	0	0	0	0	0	0	0	1
0999 OTHER	3	0	2	0	0	0	0	0	1
*TOTAL ENGINEERING	91	9	32	0	0	0	0	0	50
FINE AND APPLIED ARTS									
1003 ART HISTORY AND APPRECIATION	2	0	0	0	0	0	0	0	2
1004 MUSIC(PERFORMING,COMPOSITION,THEORY)	1	0	0	1	0	0	0	0	0
1005 MUSIC(LIBERAL ARTS PROGRAM)	3	0	0	0	0	0	0	0	3
*TOTAL FINE AND APPLIED ARTS	6	0	0	1	0	0	0	0	5
FOREIGN LANGUAGES									
1102 FRENCH	2	0	0	0	0	0	1	0	1
1103 GERMAN	2	0	0	0	0	0	0	0	2

TABLE 32.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR DOCTORAL
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
FOREIGN LANGUAGES									
1105 SPANISH	12	2	1	0	1	0	1	0	7
*TOTAL FOREIGN LANGUAGES	16	2	1	0	1	0	2	0	10
HEALTH PROFESSIONS									
1203 NURSING	4	0	0	0	0	0	0	0	4
1205 DENTAL SPECIALTIES	3	0	0	0	0	0	0	0	3
1206 MEDICINE(M.D. DEGREE)	1	0	0	0	0	0	0	0	1
1207 MEDICAL SPECIALTIES	7	0	0	1	0	0	1	0	5
1211 PHARMACY	10	3	5	0	0	0	0	0	2
1214 PUBLIC HEALTH	18	0	0	0	0	0	0	0	18
1220 SPEECH PATHOLOGY AND AUDIOLOGY	5	0	0	0	0	0	0	0	5
1299 OTHER	2	0	0	0	0	0	0	0	2
*TOTAL HEALTH PROFESSIONS	50	3	5	1	0	0	1	0	40
HOME ECONOMICS									
1305 FAMILY RELATIONS AND CHILD DEVELOPMENT	20	1	4	0	0	0	0	1	14
1306 FOODS AND NUTRITION	3	0	1	0	0	0	0	0	2
*TOTAL HOME ECONOMICS	23	1	5	0	0	0	0	1	16
INTERDISCIPLINARY STUDIES									
4960 PSYCHO-BIOLOGY	1	0	0	0	0	0	0	0	1
4999 OTHER	3	0	1	0	0	0	0	0	2
*TOTAL INTERDISCIPLINARY STUDIES	4	0	1	0	0	0	0	0	3
LETTERS									
1501 ENGLISH,GENERAL	39	6	11	0	0	0	0	0	22
1503 COMPARATIVE LITERATURE	1	0	0	0	0	0	0	0	1
1505 LINGUISTICS	1	0	0	0	0	0	0	0	1
1506 SPEECH,DEBATE,AND FORENSIC SCIENCE	21	1	3	1	0	0	0	0	16
1509 PHILOSOPHY	15	1	2	0	2	0	1	0	9
1510 RELIGIOUS STUDIES	13	0	1	0	0	0	0	0	12
*TOTAL LETTERS	90	8	17	1	2	0	1	0	61

TABLE 32.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR DOCTORAL
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
LIBRARY SCIENCE									
1601 LIBRARY SCIENCE, GENERAL	10	0	0	0	0	0	0	0	10
*TOTAL LIBRARY SCIENCE	10	0	0	0	0	0	0	0	10
MATHEMATICS									
1701 MATHEMATICS, GENERAL	16	0	6	0	0	0	0	0	10
1702 MATHEMATICAL AND THEORETICAL STATISTICS	6	2	2	0	0	0	0	0	2
*TOTAL MATHEMATICS	22	2	8	0	0	0	0	0	12
PHYSICAL SCIENCES									
1902 PHYSICS, GENERAL	43	5	3	0	0	1	0	0	34
1905 GENERAL CHEMISTRY	55	4	13	0	0	0	0	0	38
1910 PHARMACEUTICAL CHEMISTRY	1	0	0	0	0	0	0	0	1
1911 ASTRONOMY	1	0	0	0	0	0	0	0	1
1913 ATMOSPHERIC SCIENCES AND METEOROLOGY	1	0	1	0	0	0	0	0	0
1914 GEOLOGY	4	0	1	0	0	0	0	0	3
1916 GEOPHYSICS AND SEISMOLOGY	1	0	0	0	0	0	0	0	1
1917 EARTH SCIENCES, GENERAL	4	1	0	0	0	0	0	0	3
1920 METALLURGY	2	1	0	0	0	0	0	0	1
1959 CRYSTALLOGRAPHY	1	0	0	0	0	0	0	0	1
1999 OTHER	9	0	1	0	0	0	0	0	8
*TOTAL PHYSICAL SCIENCES	122	11	19	0	0	1	0	0	91
PSYCHOLOGY									
2001 GENERAL PSYCHOLOGY	47	1	6	0	0	0	0	0	34
2003 CLINICAL PSYCHOLOGY	15	9	2	0	0	1	1	0	2
2009 DEVELOPMENTAL PSYCHOLOGY	1	0	0	0	0	0	0	0	1
2099 OTHER	2	1	0	0	0	0	0	0	1
*TOTAL PSYCHOLOGY	65	17	8	0	0	1	1	0	38
PUBLIC AFFAIRS AND SERVICES									
2101 COMMUNITY SERVICES, GENERAL	8	0	3	0	0	0	0	0	5
2104 SOCIAL WORK AND HELPING SERVICES	14	0	0	0	0	0	0	0	14
2106 INTERNATIONAL PUBLIC SERVICE	8	0	0	0	0	0	0	0	8

TABLE 32.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR DOCTORAL
DEGREE RECIPIENTS FOR ALL INSTITUTIONS IN PENNSYLVANIA, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
PUBLIC AFFAIRS AND SERVICES									
2199 OTHER	2	0	1	0	0	0	0	0	1
*TOTAL PUBLIC AFFAIRS AND SERVICES	32	0	4	0	0	0	0	0	28
SOCIAL SCIENCES									
2202 ANTHROPOLOGY	11	0	0	0	0	0	0	0	11
2204 ECONOMICS	16	2	1	0	0	0	0	0	13
2205 HISTORY	32	5	9	1	0	1	0	1	15
2206 GEOGRAPHY	4	0	0	0	0	0	0	0	4
2207 POLITICAL SCIENCE AND GOVERNMENT	6	0	1	0	0	0	0	0	5
2208 SOCIOLOGY	7	1	0	0	0	1	0	0	5
2256 HISTORY/PHILOSOPHY OF SCIENCE	3	0	0	0	0	0	0	0	3
2299 OTHER	6	0	0	0	0	1	0	0	5
*TOTAL SOCIAL SCIENCES	85	8	11	1	0	3	0	1	61
TOTAL	1190	133	195	9	7	13	1[illegible]	6	815

TABLE 33.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE DEGREE GRADUATES FOR ALL INSTITUTIONS, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
ARTS AND SCIENCE TRANSFERS									
5600 ARTS AND SCIENCE TRANSFERS	2505	242	13	187	14	30	53	877	1089
*TOTAL ARTS AND SCIENCE TRANSFERS	2505	242	13	187	14	30	53	877	1089
BUSINESS AND COMMERCE TECHNOLOGIES									
5001 BUSINESS AND COMMERCE TECHNOLOGIES, GENE	755	215	15	52	2	30	43	142	256
5002 ACCOUNTING TECHNOLOGIES	581	222	21	33	1	17	48	113	126
5003 BANKING AND FINANCE TECHNOLOGIES	19	6	0	2	0	0	0	2	9
5004 MARKETING,DISTRIB.,PURCHAS.,ETC.,MGMT.TE	668	286	30	37	2	34	35	61	183
5005 SECRETARIAL TECH.(MEDICAL,LEGAL,EXECUTIV	933	618	30	20	2	27	42	38	156
5006 PERSONAL SERVICE TECHNOLOGIES	29	13	0	0	0	0	1	5	10
5007 PHOTOGRAPHY TECHNOLOGIES	133	50	20	7	1	6	20	5	24
5008 COMMUNICATIONS AND BROADCASTING TECH.	77	13	0	10	2	4	5	12	31
5009 PRINTING AND LITHOGRAPHY TECHNOLOGIES	23	18	3	0	0	0	0	2	0
5010 HOTEL AND RESTAURANT MANAGEMENT TECH.	97	22	2	5	0	4	3	8	53
5011 TRANSPORTATION AND PUBLIC UTILITY TECH.	53	33	4	9	1	1	1	1	3
5012 APPLIED,GRAPHIC, AND FINE ARTS TECH.	352	156	66	28	4	8	23	26	44
5099 OTHER	170	55	11	9	0	4	15	15	61
*TOTAL BUSINESS AND COMMERCE TECHNOLOGIES	3890	1707	202	209	15	135	236	430	956
DATA PROCESSING TECHNOLOGIES									
5101 DATA PROCESSING TECH.,GENERAL	530	218	5	34	0	25	55	54	139
5102 KEY PUNCH OPERATER AND OTHER INPUT TECH.	1	0	0	0	0	0	1	0	0
5103 COMPUTOR PROGRAMMER TECHNOLOGIES	248	111	15	14	1	4	11	25	67
5104 COMPUTOR OPERATOR AND RELATED TECH.	45	9	0	4	0	3	4	4	21
5105 DATA PROCESS. EQUIP. MAINT.TECHNOLOGIES	14	11	3	0	0	0	0	0	0
5199 OTHER	28	10	16	0	0	0	2	0	0
*TOTAL DATA PROCESSING TECHNOLOGIES	866	359	39	52	1	32	73	83	227
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES									
5201 HEALTH SERVICES ASST. TECH., GENERAL	13	4	0	1	0	0	1	1	6
5202 DENTAL ASSISTANT TECHNOLOGIES	37	20	0	1	0	1	1	3	11
5203 DENTAL HYGIENE TECHNOLOGIES	152	65	2	1	0	5	2	3	74
5205 MEDICAL OR BIOL. LAB ASSISTANT TECH.	158	90	3	2	0	4	7	15	37
5207 RADIOLOGIC TECHNOLOGIES	117	81	15	2	0	2	2	4	11
5208 NURSING(R.N.)	1128	592	32	2	0	46	7	37	412
5209 PRACTICAL NURSING	332	218	5	1	0	7	4	33	64

TABLE 33.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE DEGREE GRADUATES FOR ALL INSTITUTIONS, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES									
5210 OCCUPATIONAL THERAPY TECHNOLOGIES	26	21	0	2	0	0	2	1	0
5211 SURGICAL TECHNOLOGIES	7	3	0	0	0	0	0	2	2
5212 OPTICAL TECHNOLOGIES	2	0	0	0	0	0	0	0	2
5213 MEDICAL RECORD TECHNOLOGIES	41	10	2	1	0	0	1	2	25
5214 MEDICAL ASST. AND MED. OFFICE ASST. TECH	191	90	7	3	1	5	7	5	73
5215 INHALATION THERAPY TECHNOLOGIES	118	64	13	0	0	0	2	0	39
5216 PSYCHIATRIC TECHNOLOGIES	96	15	0	6	0	5	9	17	44
5219 PHYSICAL THERAPY TECHNOLOGIES	3	1	1	1	0	0	0	0	0
5299 OTHER	125	68	7	0	3	1	1	11	34
*TOTAL HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	2546	1342	87	23	4	76	46	134	834
MECHANICAL AND ENGINEERING TECHNOLOGIES									
5301 MECH. AND ENGINEERING TECH., GENERAL	309	80	18	15	3	4	14	63	112
5302 AERONAUTICAL AND AVIATION TECHNOLOGIES	270	23	150	8	35	2	19	20	13
5303 ENGINEERING GRAPHICS	71	40	12	4	0	0	2	4	9
5304 ARCHITECTURAL DRAFTING TECHNOLOGIES	180	77	16	13	1	1	9	33	30
5305 CHEMICAL TECHNOLOGIES	32	11	8	0	0	1	0	0	12
5306 AUTOMOTIVE TECHNOLOGIES	254	144	28	20	6	3	8	5	40
5307 DIESEL TECHNOLOGIES	16	9	1	1	0	2	0	2	1
5308 WELDING TECHNOLOGIES	60	28	5	7	0	0	4	1	15
5309 CIVIL TECHNOLOGIES	107	32	19	5	2	4	4	15	26
5310 ELECTRONICS AND MACHINE TECHNOLOGIES	787	354	190	22	0	7	88	32	94
5311 ELECTROMECHANICAL TECHNOLOGIES	136	72	25	8	2	0	3	10	16
5312 INDUSTRIAL TECHNOLOGIES	60	11	3	7	0	1	14	6	18
5314 INSTRUMENTATION TECHNOLOGIES	1	0	0	0	0	1	0	0	0
5315 MECHANICAL TECHNOLOGIES	121	62	14	8	0	1	5	7	24
5316 NUCLEAR TECHNOLOGIES	23	11	2	0	0	0	1	0	9
5317 CONSTRUCTION AND BUILDING TECHNOLOGIES	571	86	16	18	2	3	6	14	426
5399 OTHER	703	254	131	21	3	3	33	78	180
*TOTAL MECHANICAL AND ENGINEERING TECHNOLOGIES	3701	1294	638	157	54	33	210	290	1025
NATURAL SCIENCE TECHNOLOGIES									
5401 NATURAL SCIENCE TECHNOLOGIES,GENERAL	2	0	0	1	0	0	0	1	0
5402 AGRICULTURE TECHNOLOGIES	88	32	1	5	0	9	5	2	34
5403 FORESTRY AND WILDLIFE TECHNOLOGIES	77	16	7	16	2	2	2	10	22
5404 FOOD SERVICES TECHNOLOGIES	62	23	1	1	0	4	2	6	25
5407 LABORATORY TECHNOLOGIES, GENERAL	19	9	0	1	0	0	1	3	5
5408 SANITATION AND PUBLIC HEALTH INSPECT. TE	6	3	0	1	0	0	0	0	2
5499 OTHER	39	17	2	8	0	0	2	7	3

TABLE 33.0

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE DEGREE GRADUATES FOR ALL INSTITUTIONS, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
*TOTAL NATURAL SCIENCE TECHNOLOGIES	293	100	11	33	2	15	12	29	91
PUBLIC SERVICE RELATED TECHNOLOGIES									
5501 PUBLIC SERVICE TECHNOLOGIES, GENERAL	27	7	0	0	0	1	2	3	14
5502 BIBLE STUDY/RELIGION RELATED OCCUPATIONS	8	2	0	4	1	0	0	1	0
5503 EDUCATION TECHNOLOGIES	349	42	1	23	0	13	13	60	197
5504 LIBRARY ASSISTANT TECHNOLOGIES	17	7	1	2	0	0	1	2	4
5505 POLICE,LAW ENFORCEMENT,CORRECTIONS TECH.	246	37	1	31	0	10	7	35	125
5506 RECREATION AND SOCIAL WORK RELATED TECH.	82	10	1	5	1	4	5	15	41
5507 FIRE CONTROL TECHNOLOGY	55	17	0	8	0	3	0	1	26
5508 PUBLIC ADMIN. AND MANAGEMENT TECHNOLOGIE	6	1	0	0	0	0	0	0	5
5599 OTHER	47	22	2	4	0	2	2	4	11
*TOTAL PUBLIC SERVICE RELATED TECHNOLOGIES	837	145	6	77	2	33	30	121	423
TOTAL	14638	5189	996	738	92	354	660	1964	4645

TABLE 33.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE DEGREE FOR COMMUNITY COLLEGES, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
ARTS AND SCIENCE TRANSFERS									
5600 ARTS AND SCIENCE TRANSFERS	2019	181	5	154	5	25	34	696	919
*TOTAL ARTS AND SCIENCE TRANSFERS	2019	181	5	154	5	25	34	696	919
BUSINESS AND COMMERCE TECHNOLOGIES									
5001 BUSINESS AND COMMERCE TECHNOLOGIES, GENE	421	124	10	27	0	23	19	76	142
5002 ACCOUNTING TECHNOLOGIES	349	98	4	26	1	15	16	76	113
5003 BANKING AND FINANCE TECHNOLOGIES	19	6	0	2	0	0	0	2	9
5004 MARKETING,DISTRIB.,PURCHAS.,ETC.,MGMT.TE	404	102	3	29	1	24	27	36	182
5005 SECRETARIAL TECH.(MEDICAL,LEGAL,EXECUTIV	456	241	7	17	1	23	21	23	123
5006 PERSONAL SERVICE TECHNOLOGIES	28	12	0	0	0	0	1	5	10
5007 PHOTOGRAPHY TECHNOLOGIES	25	1	1	4	0	0	1	1	17
5008 COMMUNICATIONS AND BROADCASTING TECH.	45	6	0	4	0	1	3	11	20
5009 PRINTING AND LITHOGRAPHY TECHNOLOGIES	18	13	3	0	0	0	0	2	0
5010 HOTEL AND RESTAURANT MANAGEMENT TECH.	86	19	0	5	0	3	3	8	48
5011 TRANSPORTATION AND PUBLIC UTILITY TECH.	16	8	1	0	1	1	1	1	3
5012 APPLIED,GRAPHIC, AND FINE ARTS TECH.	89	27	1	14	0	6	4	17	20
5099 OTHER	66	11	1	5	0	2	5	4	38
*TOTAL BUSINESS AND COMMERCE TECHNOLOGIES	2022	668	31	133	4	98	101	262	725
DATA PROCESSING TECHNOLOGIES									
5101 DATA PROCESSING TECH.,GENERAL	418	148	1	30	0	16	39	48	136
5102 KEY PUNCH OPERATER AND OTHER INPUT TECH.	1	0	0	0	0	0	1	0	0
5103 COMPUTOR PROGRAMMER TECHNOLOGIES	67	34	1	5	0	0	1	6	20
5104 COMPUTOR OPERATOR AND RELATED TECH.	45	9	0	4	0	3	4	4	21
5105 DATA PROCESS. EQUIP. MAINT.TECHNOLOGIES	1	1	0	0	0	0	0	0	0
*TOTAL DATA PROCESSING TECHNOLOGIES	532	192	2	39	0	19	45	58	177
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES									
5201 HEALTH SERVICES ASST. TECH., GENERAL	11	4	0	1	0	0	0	1	5
5202 DENTAL ASSISTANT TECHNOLOGIES	37	20	0	1	0	1	1	3	11
5203 DENTAL HYGIENE TECHNOLOGIES	96	62	2	1	0	5	2	3	21
5205 MEDICAL OR BIOL. LAB ASSISTANT TECH.	105	59	1	2	0	2	6	4	31
5207 RADIOLOGIC TECHNOLOGIES	43	28	2	1	0	0	1	0	11
5208 NURSING(R.N.)	898	435	12	2	0	42	7	8	392
5209 PRACTICAL NURSING	332	218	5	1	0	7	4	33	64
5210 OCCUPATIONAL THERAPY TECHNOLOGIES	26	21	0	2	0	0	2	1	0

TABLE 33.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE DEGREE FOR COMMUNITY COLLEGES, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES									
5211 SURGICAL TECHNOLOGIES	7	3	0	0	0	0	0	2	2
5212 OPTICAL TECHNOLOGIES	2	0	0	[illegible]	0	0	0	0	2
5213 MEDICAL RECORD TECHNOLOGIES	34	5	1	0	0	0	1	2	25
5214 MEDICAL ASST. AND MED. OFFICE ASST. TECH	50	10	0	1	0	1	1	0	37
5215 INHALATION THERAPY TECHNOLOGIES	57	19	0	0	0	0	2	0	36
5216 PSYCHIATRIC TECHNOLOGIES	80	14	0	3	0	4	8	7	44
5299 OTHER	54	26	0	0	0	0	0	5	23
*TOTAL HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	1832	924	23	15	0	62	35	69	704
MECHANICAL AND ENGINEERING TECHNOLOGIES									
5301 MECH. AND ENGINEERING TECH., GENERAL	56	15	1	5	0	1	1	9	24
5302 AERONAUTICAL AND AVIATION TECHNOLOGIES	40	16	1	3	0	2	5	11	2
5303 ENGINEERING GRAPHICS	55	28	9	4	0	0	2	4	8
5304 ARCHITECTURAL DRAFTING TECHNOLOGIES	75	27	2	7	0	1	2	21	15
5305 CHEMICAL TECHNOLOGIES	11	4	0	0	0	1	0	0	6
5306 AUTOMOTIVE TECHNOLOGIES	36	20	1	5	0	0	0	2	8
5307 DIESEL TECHNOLOGIES	16	9	1	1	0	2	0	2	1
5308 WELDING TECHNOLOGIES	44	18	5	3	0	0	2	1	15
5309 CIVIL TECHNOLOGIES	43	8	4	5	0	1	2	10	13
5310 ELECTRONICS AND MACHINE TECHNOLOGIES	213	84	15	14	0	7	15	20	58
5311 ELECTROMECHANICAL TECHNOLOGIES	38	16	6	3	0	0	1	8	4
5312 INDUSTRIAL TECHNOLOGIES	15	4	2	2	0	0	1	0	6
5314 INSTRUMENTATION TECHNOLOGIES	1	0	0	0	0	1	0	0	0
5315 MECHANICAL TECHNOLOGIES	89	44	2	8	0	1	5	7	22
5316 NUCLEAR TECHNOLOGIES	13	8	2	0	0	0	1	0	2
5317 CONSTRUCTION AND BUILDING TECHNOLOGIES	487	54	2	14	1	2	3	5	406
5399 OTHER	26	12	0	5	0	0	0	4	5
*TOTAL MECHANICAL AND ENGINEERING TECHNOLOGIES	1258	367	53	79	1	19	40	104	595
NATURAL SCIENCE TECHNOLOGIES									
5401 NATURAL SCIENCE TECHNOLOGIES, GENERAL	2	0	0	1	0	0	0	1	0
5402 AGRICULTURE TECHNOLOGIES	22	19	0	1	0	0	0	0	2
5403 FORESTRY AND WILDLIFE TECHNOLOGIES	42	15	6	11	1	1	0	4	4
5404 FOOD SERVICES TECHNOLOGIES	62	23	1	1	0	4	2	6	25
5407 LABORATORY TECHNOLOGIES, GENERAL	19	9	0	1	0	0	1	3	5
5408 SANITATION AND PUBLIC HEALTH INSPECT. TE	6	3	0	1	0	0	0	0	2
5499 OTHER	27	13	1	8	0	0	1	1	3
*TOTAL NATURAL SCIENCE TECHNOLOGIES	180	82	8	24	1	5	4	15	41

TABLE 33.1

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE DEGREE FOR COMMUNITY COLLEGES, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
PUBLIC SERVICE RELATED TECHNOLOGIES									
5501 PUBLIC SERVICE TECHNOLOGIES, GENERAL	6	2	0	0	0	1	1	1	1
5503 EDUCATION TECHNOLOGIES	349	42	1	23	0	13	13	60	197
5504 LIBRARY ASSISTANT TECHNOLOGIES	17	7	1	2	0	0	1	2	4
5505 POLICE,LAW ENFORCEMENT,CORRECTIONS TECH.	214	31	1	30	0	10	7	32	103
5506 RECREATION AND SOCIAL WORK RELATED TECH.	55	7	0	3	0	4	3	9	29
5507 FIRE CONTROL TECHNOLOGY	55	17	0	8	0	3	0	1	26
5508 PUBLIC ADMIN. AND MANAGEMENT TECHNOLOGIE	6	1	0	0	0	0	0	0	5
5599 OTHER	16	4	0	3	0	1	1	3	4
*TOTAL PUBLIC SERVICE RELATED TECHNOLOGIES	718	111	3	69	0	32	26	108	369
TOTAL	8561	2525	125	513	11	260	285	1312	3530

TABLE 33.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE DEGREE GRADUATES FOR PROPRIETARY INSTITUTIONS, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
BUSINESS AND COMMERCE TECHNOLOGIES									
5001 BUSINESS AND COMMERCE TECHNOLOGIES, GENE	45	28	0	1	0	0	1	5	10
5002 ACCOUNTING TECHNOLOGIES	205	107	16	7	0	2	28	36	9
5004 MARKETING,DISTRIB.,PURCHAS.,ETC.,MGMT.TE	257	181	27	7	1	9	7	25	0
5005 SECRETARIAL TECH.(MEDICAL,LEGAL,EXECUTIV	305	249	13	1	0	3	15	5	19
5006 PERSONAL SERVICE TECHNOLOGIES	1	1	0	0	0	0	0	0	0
5007 PHOTOGRAPHY TECHNOLOGIES	108	49	19	3	1	6	19	4	7
5008 COMMUNICATIONS AND BROADCASTING TECH.	8	6	0	2	0	0	0	0	0
5009 PRINTING AND LITHOGRAPHY TECHNOLOGIES	5	5	0	0	0	0	0	0	0
5011 TRANSPORTATION AND PUBLIC UTILITY TECH.	37	25	3	9	0	0	0	0	0
5012 APPLIED,GRAPHIC, AND FINE ARTS TECH.	263	129	65	11	4	2	19	9	24
5099 OTHER	63	37	7	4	0	1	8	1	5
*TOTAL BUSINESS AND COMMERCE TECHNOLOGIES	1297	817	150	45	6	23	97	85	74
DATA PROCESSING TECHNOLOGIES									
5101 DATA PROCESSING TECH.,GENERAL	108	69	4	4	0	9	16	5	1
5103 COMPUTOR PROGRAMMER TECHNOLOGIES	75	47	7	5	0	0	2	6	8
5105 DATA PROCESS. EQUIP. MAINT.TECHNOLOGIES	13	10	3	0	0	0	0	0	0
5199 OTHER	28	10	16	0	0	0	2	0	0
*TOTAL DATA PROCESSING TECHNOLOGIES	224	136	30	9	0	9	20	11	9
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES									
5207 RADIOLOGIC TECHNOLOGIES	3	3	0	0	0	0	0	0	0
5213 MEDICAL RECORD TECHNOLOGIES	7	5	1	1	0	0	0	0	0
5214 MEDICAL ASST. AND MED. OFFICE ASST. TECH	76	67	1	0	1	0	1	2	4
5219 PHYSICAL THERAPY TECHNOLOGIES	3	1	1	1	0	0	0	0	0
5299 OTHER	9	5	4	0	0	0	0	0	0
*TOTAL HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	98	81	7	2	1	0	1	2	4
MECHANICAL AND ENGINEERING TECHNOLOGIES									
5301 MECH. AND ENGINEERING TECH., GENERAL	16	9	3	1	0	0	0	2	1
5302 AERONAUTICAL AND AVIATION TECHNOLOGIES	230	7	149	5	35	0	14	9	11
5303 ENGINEERING GRAPHICS	16	12	3	0	0	0	0	0	1
5304 ARCHITECTURAL DRAFTING TECHNOLOGIES	69	41	14	5	0	0	4	1	4
5305 CHEMICAL TECHNOLOGIES	2	0	2	0	0	0	0	0	0
5306 AUTOMOTIVE TECHNOLOGIES	218	124	27	15	6	3	8	3	32
5308 WELDING TECHNOLOGIES	16	10	0	4	0	0	2	0	0

TABLE 33.2

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE DEGREE GRADUATES FOR PROPRIETARY INSTITUTIONS, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
MECHANICAL AND ENGINEERING TECHNOLOGIES									
5309 CIVIL TECHNOLOGIES	26	17	8	0	0	0	0	0	1
5310 ELECTRONICS AND MACHINE TECHNOLOGIES	562	270	174	6	0	0	73	12	27
5311 ELECTROMECHANICAL TECHNOLOGIES	95	56	19	5	2	0	2	2	9
5315 MECHANICAL TECHNOLOGIES	32	18	12	0	0	0	0	0	2
5317 CONSTRUCTION AND BUILDING TECHNOLOGIES	58	30	14	1	0	0	1	4	8
5399 OTHER	333	175	91	9	3	0	20	1	34
*TOTAL MECHANICAL AND ENGINEERING TECHNOLOGIES	1673	769	516	51	46	3	124	34	130
NATURAL SCIENCE TECHNOLOGIES									
5499 OTHER	3	3	0	0	0	0	0	0	0
*TOTAL NATURAL SCIENCE TECHNOLOGIES	3	3	0	0	0	0	0	0	0
PUBLIC SERVICE RELATED TECHNOLOGIES									
5599 OTHER	17	15	1	1	0	0	0	0	0
*TOTAL PUBLIC SERVICE RELATED TECHNOLOGIES	17	15	1	1	0	0	0	0	0
TOTAL	3312	1821	704	108	53	35	242	132	217

TABLE 33.3

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE
DEGREE GRADUATES FOR FOUR-YEAR COLLEGES AND UNIVERSITIES, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
ARTS AND SCIENCE TRANSFERS									
5600 ARTS AND SCIENCE TRANSFERS	486	61	8	33	9	5	19	181	170
*TOTAL ARTS AND SCIENCE TRANSFERS	486	61	8	33	9	5	19	181	170
BUSINESS AND COMMERCE TECHNOLOGIES									
5001 BUSINESS AND COMMERCE TECHNOLOGIES, GENE	289	63	5	24	2	7	23	61	104
5002 ACCOUNTING TECHNOLOGIES	27	17	1	0	0	0	4	1	4
5004 MARKETING,DISTRIB.,PURCHAS.,ETC.,MGMT.TE	7	3	0	1	0	1	1	0	1
5005 SECRETARIAL TECH.(MEDICAL,LEGAL,EXECUTIV	172	128	10	2	1	1	6	10	14
5008 COMMUNICATIONS AND BROADCASTING TECH.	24	1	0	4	2	3	2	1	11
5010 HOTEL AND RESTAURANT MANAGEMENT TECH.	11	3	2	0	0	1	0	0	5
5099 OTHER	41	7	3	0	0	1	2	10	18
*TOTAL BUSINESS AND COMMERCE TECHNOLOGIES	571	222	21	31	5	14	38	83	157
DATA PROCESSING TECHNOLOGIES									
5101 DATA PROCESSING TECH.,GENERAL	4	1	0	0	0	0	0	1	2
5103 COMPUTOR PROGRAMMER TECHNOLOGIES	106	30	7	4	1	4	8	13	39
*TOTAL DATA PROCESSING TECHNOLOGIES	110	31	7	4	1	4	8	14	41
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES									
5201 HEALTH SERVICES ASST. TECH., GENERAL	2	0	0	0	0	0	1	0	1
5203 DENTAL HYGIENE TECHNOLOGIES	56	3	0	0	0	0	0	0	53
5205 MEDICAL OR BIOL. LAB ASSISTANT TECH.	53	31	2	0	0	2	1	11	6
5207 RADIOLOGIC TECHNOLOGIES	71	50	13	1	0	2	1	4	0
5208 NURSING(R.N.)	230	157	20	0	0	4	0	29	20
5214 MEDICAL ASST. AND MED. OFFICE ASST. TECH	65	13	6	2	0	4	5	3	32
5215 INHALATION THERAPY TECHNOLOGIES	61	45	13	0	0	0	0	0	3
5216 PSYCHIATRIC TECHNOLOGIES	16	1	0	3	0	1	1	10	0
5299 OTHER	62	37	3	0	3	1	1	6	11
*TOTAL HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	616	337	57	6	3	14	10	63	126
MECHANICAL AND ENGINEERING TECHNOLOGIES									
5301 MECH. AND ENGINEERING TECH., GENERAL	237	56	14	9	3	3	13	52	87
5304 ARCHITECTURAL DRAFTING TECHNOLOGIES	36	9	0	1	1	0	3	11	11

TABLE 33.3

EMPLOYMENT STATUS BY DEGREE FIELD FOR ASSOCIATE DEGREE GRADUATES FOR FOUR-YEAR COLLEGES AND UNIVERSITIES, 1981

	TOTAL	EMPLOYED IN FIELD PREPARED IN PA.	EMPLOYED IN FIELD PREPARED OUTSIDE PA.	EMPLOYED IN OTHER FIELD IN PA.	EMPLOYED IN OTHER FIELD OUTSIDE PA.	EMPLOYED PART TIME	UN-EMPLOYED	PURSUING ADVANCED DEGREE	ALL OTHERS
MECHANICAL AND ENGINEERING TECHNOLOGIES									
5305 CHEMICAL TECHNOLOGIES	19	7	6	0	0	0	0	0	6
5309 CIVIL TECHNOLOGIES	38	7	7	0	2	3	2	5	12
5310 ELECTRONICS AND MACHINE TECHNOLOGIES	12	0	1	2	0	0	0	0	9
5311 ELECTROMECHANICAL TECHNOLOGIES	3	0	0	0	0	0	0	0	3
5312 INDUSTRIAL TECHNOLOGIES	45	7	1	5	0	1	13	6	12
5316 NUCLEAR TECHNOLOGIES	10	3	0	0	0	0	0	0	7
5317 CONSTRUCTION AND BUILDING TECHNOLOGIES	26	2	0	3	1	1	2	5	12
5399 OTHER	344	67	40	7	0	3	13	73	141
*TOTAL MECHANICAL AND ENGINEERING TECHNOLOGIES	770	158	69	27	7	11	46	152	300
NATURAL SCIENCE TECHNOLOGIES									
5402 AGRICULTURE TECHNOLOGIES	66	13	1	4	0	9	5	2	32
5403 FORESTRY AND WILDLIFE TECHNOLOGIES	35	1	1	5	1	1	2	6	18
5499 OTHER	9	1	1	0	0	0	1	6	0
*TOTAL NATURAL SCIENCE TECHNOLOGIES	110	15	3	9	1	10	8	14	50
PUBLIC SERVICE RELATED TECHNOLOGIES									
5501 PUBLIC SERVICE TECHNOLOGIES, GENERAL	21	5	0	0	0	0	1	2	13
5502 BIBLE STUDY/RELIGION RELATED OCCUPATIONS	8	2	0	4	1	0	0	1	0
5505 POLICE,LAW ENFORCEMENT,CORRECTIONS TECH.	32	6	0	1	0	0	0	3	22
5506 RECREATION AND SOCIAL WORK RELATED TECH.	27	3	1	2	1	0	2	6	12
5599 OTHER	14	3	1	0	0	1	1	1	7
*TOTAL PUBLIC SERVICE RELATED TECHNOLOGIES	102	19	2	7	2	1	4	13	54
TOTAL	2765	843	167	117	28	59	133	520	898